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POSTAL SERVICE

All measurement and interpretation of records is carried out at the central station. Requests and communications should therefore be sent to:

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Correspondents are asked to note that surface mails from Europe and the Americas are infrequent, and that articles not sent by airmail may take four or five months to reach us.

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INTRODUCTION

The form of this Report follows lines established in recent years. The main list of regional shocks contains only earthquakes of magnitude 3.5 or greater located within 10° of Wellington, and smaller earthquakes known to have been felt in New Zealand. Many other earthquakes have however been assigned serial numbers, so the serials of the shocks listed are often not consecutive.

Phase data are not published here, but are instead sent to the International Seismological Centre, and appear in their bulletins, which constitute the only medium now in use for routine reporting of arrival time observations made in New Zealand. The lists of origin coordinates and magnitudes include sufficient supplementary information for assessment of the quality of the data on which they are based.

There is also a list of origins of earthquakes in the Wellington area with magnitudes of 2.0 or more. This list gives less information on the quality of individual determinations, but the density of recording stations in the area, and their easy accessibility for maintenance ensure that errors are small.

Seismologists urgently requiring unpublished New Zealand data may apply to the Observatory. Historic data are also available but unless a two-way information exchange is involved it is the Observatory's practice to make a charge for recovery of this material. Definitive origins for local earthquakes are usually available within a few months of their occurrence.

The Report for 1993 is still in preparation and will be published when the aftershock sequence for the 1993 Secretary Island earthquake (1993 Aug 10) has been analysed.

D E Maunder
Editor

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STAFF IN 1994

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Observers:	B Bennett

NEW ZEALAND SEISMICITY IN 1994

Earthquakes have occurred in New Zealand more frequently during the last five years than in the previous decade. During the 1970s and early 1980s we experienced fewer large earthquakes and 1994 showed a more normal pattern of seismicity. Earthquakes in 1994 followed the usual pattern of an active region from the Bay of Plenty to the northern South Island. We have been fortunate that the large earthquakes have not been centered near areas of high population.

One of the most significant earthquakes in New Zealand in recent years was the magnitude 6.7 earthquake on June 18 near Arthur's Pass (Event 94/6394). This earthquake was felt from Taranaki to Invercargill, with intensities of MM6-7 in the epicentral area and property damage at Lake Coleridge (about 40 km from the epicentre.) Minor damage occurred in Westland and parts of Canterbury. Although the earthquake was felt strongly (MM 4 – MM 6) in Christchurch, the closest city, damage was light because the epicentre was about 115 km distant. Seismological Observatory staff installed 20 portable seismographs (see page 19 for a list), mainly to the south and west of Arthur's Pass, within a few days of the mainshock. These instruments operated until June 24, and almost 6000 events were analysed. Aftershocks continued for many months, the largest on June 19 (Event 94/7859, magnitude 6.1) and June 21 (Event 94/9701, magnitude 5.7). There were 11 events of magnitude 5 or greater recorded during the following two months. A magnitude 5.0 earthquake (Event 94/21225) on September 15, caused damage at Lake Coleridge and was followed by two hours of aftershocks also felt at Lake Coleridge. An isoseismal map for mainshock appears at the end of this report. A questionnaire was published in the Christchurch Press and reliable data sent from outside Christchurch are included in the map.

The Bay of Plenty is always an active area, particularly offshore, and 1994 was no exception. Three large events occurred in the area during the last six weeks of the year. On November 23 (Event 94/24405) an earthquake of magnitude 5.9, 200 km deep, centered 36 km southwest of Mayor Island was felt in Gisborne. A larger event of magnitude 6.1, 210 km deep, occurred on December 4 (Event 94/25011), but as this was located 150 km north of East Cape, no felt reports were received. On December 15 a shallow earthquake, also magnitude 6.1 (Event 94/25541), occurred 60 km north of White Island. Power was off for a short time in Opotiki and some shops reported goods off shelves. As well as being felt in the Bay of Plenty, this earthquake was felt in Auckland, East Cape and Wellington. Two other deep events which occurred in the area were: March 31 (Event 94/3987), 66 km deep, magnitude 5.9, located southeast of Whakatane and felt from Bay of Plenty to Nelson, and April 17 (Event 94/4552), 139 km deep, magnitude 5.4, located north of Whakatane, felt in Gisborne. Two shallow earthquakes were felt: April 23 (Event 94/4741), magnitude 5.4, 105 km north of White Island, was felt Auckland and Coromandel, and June 16 (Event 94/6337), magnitude 5.0, located near Matamata was felt throughout the Bay of Plenty.

Deep earthquakes under the North Island are more frequent than shallow ones, and are often felt widely. They do little damage because of their depth. Some of the larger events were: February 08 (Event 94/1731), magnitude 5.4, north of D'Urville Island and 118 km deep, felt from Taranaki to Christchurch; February 23 (Event 94/2495), magnitude 5.9, 191 km deep beneath south Taranaki, felt from the central North Island to Christchurch; March 26 (Event 94/3817), magnitude 5.5, 205 km deep, west of National Park, felt over the lower North Island; June 18 (Event 94/7219), magnitude 5.1, 156 km deep, 45 km north of Turangi; August 5 (Event 94/18957), magnitude 5.0, 185 km deep, west of Rotorua; October 16 (Event 94/2270), magnitude 5.3 in the Taranaki Bight, felt from Taranaki to Nelson.

In 1960 a pocket of very deep earthquakes was discovered beneath northern Taranaki, at a depth of almost 600 km (Adams 1963). A similar event, 570 km deep and magnitude 5.1, occurred this year on April 8 (Event 94/4219). Its depth meant that it was not felt.

The Fiordland area has been active during the last few years. This year was quieter. On March 28 (Event 94/3867) a shallow earthquake of magnitude 5.1 was felt in Queenstown. A shallow magnitude 5.3 event on June 8 (Event 94/6080) was felt in Manapouri and Te Anau. There were two larger earthquakes off the coast south of Fiordland, one of magnitude 5.5 on January 3 (Event 94/90) which was felt in southern Southland and the other on August 16 (Event 94/19590), magnitude 5.2.

A swarm of small, shallow earthquakes felt in the Seddon area over 48 hours began late on September 09. A magnitude 4.3 event on September 10 (Event 94/20902) was the largest recorded. Swarms of earthquakes are common in this region.

References:

Adams, R.D. 1963. Source characteristics of some deep New Zealand Earthquakes. *New Zealand journal of geology and geophysics* 6:209-220.

Adams, R.D.; Ferris, B.G. 1976. A further earthquake at exceptional depth beneath New Zealand. *New Zealand journal of geology and geophysics 19*:269-273.

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INSTRUMENTATION IN 1994

By the end of 1994, the New Zealand network consisted of 31 digital stations (20 three-component and 11 single component), four analogue stations (excluding the stations from regional networks that are recorded visually as well as digitally), seven regional networks and one IRIS system. We also receive analogue records from three stations outside New Zealand (RAO, RAR and SBA). As well, four temporary networks operated during the year. The Marlborough network, installed in October 1993, operated until March. A network measuring weak motion operated in the Napier area during March and April. Nineteen stations, installed in the Arthur's Pass area, recorded aftershocks of the Arthur's Pass earthquake (June 18) for 17 days. A network of portable seismographs operating between July and December in the East Cape area was part of a larger central North Island survey. The positions of these stations appear later in this report.

The change from visual records, needing to be changed daily, to digital tapes which run for a week has meant that it has been possible to install instruments at seismically quieter sites. Those analogue stations left are used to add data to a few poorly determined epicentres and as displays in museums or other public areas. Continuous recording by the IRIS system for the registration of teleseisms and the use of pen-recorders at some sites for immediate inspection of large events continued.

Two types of event-recording system are used by the Observatory. The older system, SNARE (Seismic Network Automatic Recording Equipment) is a 16-channel system which relies on a combination of spectral analysis of seismometer outputs and coincidence detection to trigger recording by the whole network. EARSS (Equipment for the Automatic Recording of Seismograph Signals) was developed from SNARE as a single station system which can operate unattended for at least a week. Because it is a single station system it relies solely on a frequency-spectrum algorithm for event detection. An improvement on SNARE is the introduction of automatic magnification adjustment ("gain-ranging") to allow faithful recording of large-amplitude wave-forms. A 16-channel version of EARSS has superseded SNARE. HBN, CYN and the backup for WLN networks are still recorded on SNARE. Not included in the current re-equipment programme are instruments owned by organisations other than IGNS. In 1994, organisations cooperating in continuous or *ad hoc* seismic monitoring were: the Universities of Auckland and Wellington, Taranaki Civil Defence and the Electricity Corporation of New Zealand.

INSTRUMENTAL CHANGES IN 1994

Two stations of the National network ceased operating during the year. Chatham Island (CIZ) closed in April and Mangahao (MNG) in October.

In July the seismometer at Denniston (DSZ) was changed from a single component Mark Products L4-C seismometer to a 3-component L4-3D. The visual (VR-1) recording of Hicks Bay (HBZ) ceased in August. This station continued to be recorded digitally. The horizontal components of Waitaha Valley (WVZ) were not operating between June and 1995 February.

There were four temporary networks operating during the year. The Marlborough network (installed in October 1993) ran until mid March. A network measuring weak motion operated in Napier during March and April. A network operating for two weeks in the Arthur's Pass area was installed to record aftershocks of the June 18 (M_L 6.7) event. The network that operated in the East Cape area between September and December was part of a major seismograph deployment in the central North Island in conjunction Memphis State University, Victoria University of Wellington and the University of Leeds.

The station at Hinemaiaia (HATZ), closed in 1991 and previously part of the Taupo network, was reinstalled in February and recorded with the Bay of Plenty network.

The two stations of the Auckland network were installed in June. This network will monitor seismic activity in the Auckland Volcanic Region.

INDEX OF STATION CODES AND POSITIONS

The growth in numbers of seismograph stations in recent years has been so great that it is not always possible to find short mnemonic codes that are unique in the world.

Nearly all the codes used below are recognised and used by the United States NEIS and by ISC, but some of those for stations in the telemetered networks may not be.

CODE	NAME	LATITUDE d	m	s		LONGITUDE d	m	s		ALT m
SEISMIC RESEARCH OBSERVATORY										
SNZO	South Karori	41	18	37	S	174	42	17	E	-10
STANDARD NETWORK										
AUC	Auckland	36	51	36	S	174	46	41	E	79
BSZ	Bushy Park	39	47	55	S	174	55	52	E	150
BWZ	Berwen	44	31	54	S	169	52	59	E	500
CHR	Christchurch	43	31	58	S	172	37	36	E	8
CIZ	Chatham Is (until April)	43	57	18	S	176	33	56	W	45
DCZ	Deep Cove	45	28	04	S	167	09	15	E	20
DSZ	Denniston North	41	44	49	S	171	48	09	E	630
EWZ	Erewhon	43	30	42	S	170	51	09	E	650
HBZ	Hicks Bay	37	35	57	S	178	18	05	E	0
KHZ	Kahutara	42	25	05	S	173	32	25	E	70
KUZ	Kuaotunu	36	44	50	S	175	43	12	E	40
LMZ	Lake Moeraki	43	42	59.5	S	169	16	10	E	-50
LTZ	Lake Taylor	42	46	58	S	172	16	08	E	640
MNG	Mangahao (until October)	40	37	07	S	175	28	55	E	396
MOZ	Mahoenui	38	30	21	S	174	48	11	E	160
MQZ	McQueen's Valley	43	42	28	S	172	39	08	E	60
MRZ	Mangatainoka River	40	39	45	S	175	34	45	E	320
MSZ	Milford Sound	44	40	31.5	S	167	55	39	E	90
NOZ	North Gisborne	38	37	05	S	178	02	12	E	60
NRZ	Ngariki	39	20	15	S	173	55	59	E	250
ODZ	Otahua Downs	45	02	43	S	170	38	40	E	270
OIZ	Oio	39	02	48	S	175	23	33	E	470
OUZ	Omahuta	35	13	17	S	173	35	46	E	40
PGZ	Pongaroa	40	37	08	S	176	16	25	E	0
PUZ	Puketiti	38	04	24	S	178	15	26	E	420
QRZ	Quartz Range	40	49	39	S	172	31	44	E	260
RAO	Raoul Island	29	15	06	S	177	55	06	W	110
RAR	Rarotonga	21	12	45	S	159	46	24	W	28
RTY	Rotoiti	41	48	27	S	172	50	35	E	635
SBA	Scott Base	77	51	01	S	166	45	22	E	38

SIZ	Stewart Island	46	52	30	S	168	07	59	E	60
THZ	Top House	41	45	50	S	172	54	13	E	760
TMP	Tomahawk Gully	44	18	54	S	170	07	12	E	720
TUZ	Tuapeka	45	57	22	S	169	37	56	E	110
URZ	Urewera	38	15	37	S	177	06	37	E	100
WCZ	Waipu Caves	35	56	28	S	174	20	40	E	140
WEL	Wellington	41	17	10	S	174	46	06	E	122
WHZ	Wether Hill	45	53	41	S	167	56	51	E	320
WLZ	Whitehall	37	52	12	S	175	35	46	E	190
WVZ	Waitaha Valley	43	04	35	S	170	44	10	E	75

AUCKLAND VOLCANO-SEISMIC NETWORK

MKAZ	Moumoukai	37	06	41.1	S	175	09	59.6	E	120
WTAZ	Waiatarua	36	56	03.1	S	174	34	26.0	E	340

BAY OF PLENTY VOLCANO-SEISMIC NETWORK

EDRZ	Edgecumbe	38	06	27.5	S	176	44	17	E	780
HARZ	Haroharo	38	05	28	S	176	30	07	E	740
HATZ	Hinemaiaia (from February)	38	53	32	S	176	05	31	E	492
LIRZ	Lichensteins Road	38	00	18	S	176	23	03	E	340
MARZ	Manawahe	37	59	12	S	176	40	28	E	480
PATZ	Paeroa	38	22	53	S	176	15	30	E	940
TAZ	Tarawera	38	13	59	S	176	30	28	E	1037
UTU	Utuhina	38	10	39	S	176	11	32	E	410
WIZ	White Island	37	31	42	S	177	11	21	E	40

CLYDE NETWORK (Electricorp)

CFC	Cairnmuir Flats	45	11	03	S	169	17	32	E	576
CMCZ	Cairnmuir Mts	45	08	57	S	169	16	30	E	1039
LRCZ	Leaning Rock	45	03	55	S	169	20	46	E	1533
LSCZ	Lilico Spur	45	06	59	S	169	22	09	E	759
MHZ	Mt Horn	45	03	44	S	169	16	46	E	1127
MMCZ	Mount Michael	45	00	13	S	169	07	53	E	1163
MSCZ	Moutere Station	45	05	35	S	169	24	42	E	701
SBCZ	Sonora Basin	45	05	32	S	169	18	40	E	801
TBC	Trig B	45	08	47	S	169	19	49	E	619
TLC	Trig L	45	11	29	S	169	04	17	E	1393

HAWKES BAY NETWORK

HNH	Havelock North	39	39	55	S	176	52	52	E	10
MAHZ	Mahia	39	11	18	S	177	52	51	E	336
MOH	Mohaka	39	07	57	S	177	08	52	E	245
PAHZ	Panekirikiri	38	51	33	S	177	03	15	E	563
TAHZ	Taraponui	39	08	09	S	176	44	25	E	1297
TEHZ	Te Atua	39	59	22	S	176	48	40	E	407
TTH	Taradale Trig	39	32	29	S	176	49	34	E	120
WAHZ	Wakarara	39	41	57	S	176	21	19	E	657
WHH	Whakatau	38	53	04	S	176	29	42	E	921

TARANAKI VOLCANO-SEISMIC NETWORK

DFE	Dawson Falls	39	19	39	S	174	06	13	E	880
NEZ	North Egmont	39	16	19	S	174	05	44	E	920
NRZ	Ngariki	39	20	15	S	173	55	59	E	250
PKE	Puketiti	39	11	44	S	173	59	14	E	485
TKEZ	Kiri Road	39	23	22	S	174	00	27	E	330

TONGARIRO VOLCANO-SEISMIC NETWORK

CNZ	Chateau	39	12	00	S	175	32	51	E	1116
DRZ	Dome Shelter	39	16	35	S	175	33	49	E	2600
KAVZ	Karewarewa	39	05	55	S	175	38	45	E	1200
MGZ	Maungaku	39	00	07	S	175	32	20	E	806
NGZ	Ngaruhoe	39	10	37	S	175	36	04	E	806
TUVZ	Tukino	39	16	09	S	175	39	13	E	1410

WELLINGTON NETWORK

AMW	Mt Adams	41	18	34	S	175	45	39	E	400
BBW	Blackbirch	41	42	45	S	173	52	42	E	250
BHW	Baring Head	41	24	33	S	174	52	17	E	10
BLW	Big Hill	41	22	07	S	175	28	29	E	340
CAW	Cannon Point	41	06	32	S	175	04	04	E	330
CCW	Cape Campbell	41	45	03	S	174	13	01	E	216
DIW	D'Urville Island	40	48	08	S	173	55	19	E	460
GFW	Glenfield	41	27	24	S	173	49	51	E	230
KIW	Kapiti Island	40	51	50	S	174	54	42	E	320
MOW	Moikau	41	25	18	S	175	15	07	E	430
MRW	Makara Radio	41	13	57	S	174	42	18	E	235
MTW	Mount Morrison	41	09	34	S	175	30	07	E	282
OTW	Orongorongo Valley	41	16	39	S	175	00	15	E	230
TCW	Tory Channel	41	12	48	S	174	16	33	E	150
WEL	Wellington	41	17	10	S	174	46	06	E	122

INSTRUMENTATION AND LITHOLOGY

STANDARD NETWORK AND CONTRIBUTING STATIONS

Stations are listed in alphabetical order of their abbreviations. Pendulum period, To, is given in seconds. Damping when not listed, may be assumed to be critical. Magnifications listed are for the period of maximum response, except for World-Wide Standard Station instruments, where the magnifications are given at the conventional periods of 1.0 and 15 seconds. Response curve for Mark Products L4-C seismographs and an EARSS system is shown at the end of this section.

	Instrument	Compt.	To	Damping	Magnification
AUC	AUCKLAND				
	Foundation: Volcanic beds on Tertiary sandstone and mudstone.				
	Willmore II (with Kinemetrics VR-1 pen-recorder).				
		Z	1.0		3 800 at 0.25s
BSZ	BUSHY PARK				
	Foundation: Quaternary marine sediments.				
	Mark Products L4-C (with EARSS digital gain-ranging recorder).				
		Z	1.0		
BWZ	BERWEN				
	Foundation: Greywacke.				
	Mark Products L4-C (with EARSS digital gain-ranging recorder)				
		Z	1.0		
CHR	CHRISTCHURCH				
	Willmore II (with Kinemetrics VR-1 pen-recorder).				
		Z	1.0		
CIZ	CHATHAM ISLANDS				
	Foundation: Clay over basalt.				
	Willmore II (with Kinemetrics VR-1 pen-recorder)				
		Z	1.0		4 440 at 0.20s
DCZ	DEEP COVE				
	Foundation: Granite.				
	Mark Products L4-3D (with EARSS digital gain-ranging recorder)				
		ZNE	1.0		
DSZ	DENNISTON NORTH				
	Foundation: Upper Precambrian greywacke				
	Mark Products L4-C (with EARSS digital gain-ranging recorder)				
		Z	1.0		
	replaced in July by				
	Mark Products L4-3D (with EARSS digital gain-ranging recorder)				
		ZNE	1.0		
EWZ	EREWHON				
	Foundation: Triassic greywacke.				
	Mark Products L4-C (with EARSS digital gain-ranging recorder)				
		Z	1.0		

	Instrument	Compt.	To	Damping	Magnification
HBZ	HICKS BAY Foundation: Consolidated conglomerate. Mark Products L4-C in borehole (and with kinemetrics VR-1 recorder (until August) and EARSS digital gain-ranging recorder).	Z	1.0		67 500 at 0.10s
KHZ	KAHUTARA Foundation: Jurassic greywacke Mark Products L4-3D (with EARSS digital gain-ranging recorder)	ZNE	1.0		
KUZ	KUAOTUNU Foundation: Greywacke. Mark Products L4-3D (with EARSS digital gain-ranging recorder).	ZNE	1.0		
LMZ	LAKE MOERAKI Foundation: Precambrian Greywacke. Mark Products L4-C (with EARSS digital gain-ranging recorder).	Z	1.0		
LTZ	LAKE TAYLOR Foundation: Triassic Greywacke. Mark Products L4-3D (with EARSS digital gain-ranging recorder).	ZNE	1.0		
MNG	MANGAHAO (until October) Foundatio: Greywacke. Mark Products L4-3D (with EARSS digital gain-ranging recorder)	ZNE	1.0		
MOZ	MAHOENUI Foundation: Jurassic Greywacke. Mark Products L4-3D (with EARSS digital gain-ranging recorder).	ZNE	1.0		
MQZ	McQUEEN'S VALLEY Foundation: Miocene Volcanics. Mark Products L4-3D (with EARSS digital gain-ranging recorder).	ZNE	1.0		
MRZ	MANGATAINOKA Foundation: Greywacke. Mark Products L4-3D (with EARSS digital gain-ranging recorder).	ZNE	1.0		
MSZ	MILFORD SOUND Foundation: Gneiss. Mark Products L4-3D (with EARSS digital gain-ranging recorder)	ZNE	1.0		
NOZ	NORTH GISBORNE Foundation: Upper Miocene Siltstone. Mark Products L4-C (with EARSS digital gain-ranging recorder).	Z	1.0		

	Instrument	Compt.	To	Damping	Magnification
NRZ	NGARIKI Foundation: Andesite. Mark Products L4-C (with EARSS digital gain-ranging recorder).	Z	1.0		
ODZ	OTAHUA DOWNS Foundation: Greywacke. Mark Products L4-3D (with EARSS digital gain-ranging recorder)	ZNE	1.0		
OIZ	OIO Foundation: Tertiary sandstone. Mark Products L4-3D (with EARSS digital gain-ranging recorder)	ZNE	1.0		
OUZ	OMAHUTA Foundation: Greywacke. Mark Products L4-C (with EARSS digital gain-ranging recorder)	Z	1.0		
PGZ	PONGAROA Foundation: Tertiary Sediments Mark Products L4-C (with EARSS digital gain-ranging recorder).	Z	1.0		
PUZ	PUKETITI Foundation: Cretaceous Greywacke. Mark Products L4-3D (with EARSS digital gain-ranging recorder).	ZNE	1.0		
QRZ	QUARTZ RANGE Foundation: Golden Bay Schist. Mark Products L4-3D (with EARSS digital gain-ranging recorder).	ZNE	1.0		
RAO	RAOUL ISLAND Foundation: Volcanic rock. Willmore II (with Kinemetrics VR-1 pen-recorder).	Z	1.0		4 800 at 0.25s
RAR	RAROTONGA (World-Wide Standard Station) Foundation: Basalt.				
	Benioff Signal also recorded by EARSS digital event recorder tuned to trigger on T-waves.	ZNE	1.0		6 250 at 1.0s
	Press-Ewing GeoTech KS36000i broad band seismometer recorded on IRIS-2 digital recording system.	Z	15		375 at 15s
RTY	ROTOITI Foundation: Glacial gravels. Mark Products L4-C (with Kinemetrics VR-1 pen-recorder).	Z	1.0		Uncertain

	Instrument	Compt.	To	Damping	Magnification
SBA	SCOTT BASE (World-Wide Standard Station)				
	Foundation: Frozen basaltic debris resting on lava flows.				
	Benioff	ZNE	1.0		12 500-50 000 at 1.0s according to season
	Press-Ewing	ZNE	15		750 at 15s
SIZ	STEWART ISLAND				
	Foundation: Granite				
	Mark Products L4-C (with EARSS digital gain-ranging recorder).				
		Z	1.0		
THZ	TOPHOUSE				
	Foundation: Permian Greywacke.				
	Willmore II (with EARSS digital gain-ranging recorder).				
		ZNE	1.0		
TMP	TOMAHAWK GULLY				
	Foundation: Mesozoic Greywacke				
	Mark Products L4-C (telemetered to separate Kinemetrics VR-1 pen-recorders).				
		Z	1.0		750 000 at 0.20s
		N	1.0		100 000 at 0.20s
TUZ	TUAPEKA				
	Foundation: Haast Schist.				
	Mark Products L4-3D (with EARSS digital gain-ranging recorder)				
		ZNE	1.0		
URZ	UREWERA				
	Foundation: Greywacke.				
	Mark Products L4-3D (with EARSS digital gain-ranging recorder).				
		ZNE	1.0		
WCZ	WAIPU CAVES				
	Foundation: Limestone.				
	Mark Products L4-C (with EARSS digital gain-ranging recorder).				
		Z	1.0		
WEL	WELLINGTON (World-Wide Standard Station)				
	Foundation: Greywacke.				
	Benioff	Z	1.0		6 250 at 1.0s
	Press-Ewing	ZNE	15		375 at 15s
	Imamura	Z	1	5:1	2
		NE	4	5:1	2
	Kinemetrics force-balance accelerometer (with EARSS digital gain-ranging recorder).				
		ZNE	1.0		
WHZ	WETHER HILL				
	Foundation: Greywacke.				
	Mark Products L4-3D (with EARSS digital gain-ranging recorder)				
		ZNE	1.0		
WLZ	WHITEHALL				
	Foundation: Jurassic Greywacke.				
	Mark Products L4-3D (with EARSS digital gain-ranging recorder)				
		ZNE	1.0		

	Instrument	Compt.	To	Damping	Magnification
WVZ	WAITAHA VALLEY				
	Foundation: Granite.				
	Mark Products L4-3D (with EARSS digital gain-ranging recorder).				
		ZNE	1.0		

BROADBAND IRIS STATION

This station is sponsored by the United States Geological Survey. A three-component GeoTech KS36000i BD broadband seismometer sealed in a gas-filled capsule is located in a borehole 165 mm in diameter and about 100 m deep, at a quiet site several kilometres from the Observatory. The ground surface there is 88 m above, and the seismometer 10 m below, sea level. The lithological foundation is Jurassic-Permian Greywacke. Both digital and analogue recordings are made from the three long-period and the vertical component short-period outputs. The digital signal is recorded by an IRIS-2 system. Paper analogue records are archived by the Observatory, but the digital tape records of detected events are held by the USGS. The recorder is at the observatory site in Kelburn, and the signals are transmitted to it by landline.

Magnifications given below are for the analogue recorder.

Code	Station	Component	Magnification
SNZO	South Karori	ZNE Z	1 500 at 15s 6 250 at 1.0s

AUCKLAND VOLCANO-SEISMIC NETWORK

In June this network was installed in Auckland to monitor seismic activity associated with volcanic and tectonic processes in the Auckland Volcanic Region and is operated by Auckland Regional Council in conjunction with IGNS Wairakei and the University of Auckland. The instruments are single component L4-C seismometers telemetered to an EARSS digital recorder, and are also recorded on VR-1 visual recorders.

Code	Station	Component	Foundation
MKAZ WTAZ	Moumoukai Waiatarua	Z Z	Greywacke Miocene volcanoclastics

BAY OF PLENTY VOLCANO-SEISMIC NETWORK

This network is operated by the Volcanology programme in conjunction with the Seismological Observatory and monitors seismic activity associated with volcanic, geothermal and tectonic processes in the northern portion of the Taupo Volcanic Zone. The site at Hinemaiaia (HATZ) was reoccupied in February. This station had not been operating since 1991.

Data from these stations are telemetered to a 16-channel EARSS at Rotorua and also Wairakei. Selected stations are also recorded on VR-1 pen-and-ink visual recorders. The seismometers are Mark Products L4-C (1 Hz) short-period vertical seismometers.

Code	Station	Component	Lithology
EDRZ	Edgecumbe	Z	Andesite
HARZ	Haroharo	Z	Rhyolite
HATZ	Hinemaiaia	Z	Ignimbrite
LIRZ	Lichensteins Rd	Z	Rotoiti breccia
MARZ	Manawahe	Z	Andesite
PATZ	Paeroa	Z	Ignimbrite
TAZ	Tarawera	Z	Ryolite lava
UTU	Utuhina	Z	Ignimbrite
WIZ	White Island	Z	Recent Andesite

CLYDE NETWORK

A network of seismometers has been installed near Clyde to collect data on the prevailing level of microseismicity in the area of the dam now being constructed on the Clutha River. The network operated by the Electricity Corporation of New Zealand, is used to monitor any changes in local seismicity associated with the use of the lake for the generation of electricity. The system records all detected seismic events in digital form, on magnetic tape. Tapes are interpreted and retained at the Observatory where they are available for other seismological use. Clyde network stations are linked by radio telemetry to a multi-channel SNARE (Seismic Network Automatic Recording Equipment), which both detects and records seismic events, at Clyde. The seismometers are Mark Products L4-C or L4-3D instruments with a natural period of one second and the lithological foundation at all stations is Schist. Recorded waveforms can be displayed on a monitor screen at any required scale.

Code	Station	Component
CFC	Cairnmuir Flats	Z
CMCZ	Cairnmuir Mountains	ZNE
LRCZ	Leaning Rock	Z
LSCZ	Lilico Spur	Z
MMCZ	Mount Michael	Z
MHZ	Mount Horn	Z
MSCZ	Moutere Station	Z
SBCZ	Sonora Basin	Z
TBC	Trig B (formerly Clyde)	Z
TLC	Trig L	Z

HAWKES BAY NETWORK

The Hawkes Bay network has been installed to monitor seismicity in an area which has not only some potential for hydro-electric power generation, but also a history of severe earthquakes. Havelock North produces high- and low-gain records from a three-component seismometer.

HNH is not an internationally recognised code. The network records on a SNARE System in Havelock North. One of the stations, usually Wakarara (WAHZ), is also recorded on a VR-1 pen-on-ink visual recorder.

Code	Station	Component(s)	Foundation
HNH	Havelock North	ZNE (High gain) ZNE (Low gain)	Greywacke gravel " "
MAHZ	Mahia	Z	Mudstone
MOH	Mohaka	Z	Dune Sand
PAHZ	Panekirikiri	Z	Pumice Tuff
TAHZ	Taraponui	Z	Limestone
TEHZ	Te Atua	Z	Limestone
TTH	Taradale Trig	Z	Calcareous mudstone
WAHZ	Wakarara	Z	Greywacke
WHH	Whakatau	Z	Ignimbrite

TARANAKI VOLCANO-SEISMIC NETWORK

This network is operated by the Taranaki Civil Defence and IGNS Wairakei to monitor volcanic activity around Taranaki volcano. The stations are single component L4-C seismometers telemetered to a 16-channel EARSS recorder at New Plymouth. NRZ (Ngariki) is also part of the New Zealand Seismic Network.

Code	Station	Component(s)	Foundation
DFE	Dawson Falls	Z	Volcanic ash
NEZ	North Egmont	Z	Volcanic ash
NRZ	Ngariki	Z	Andesite
PKE	Pukeiti	Z	Andesite
TKEZ	Kiri Rd	Z	Opunake lahars

TONGARIRO VOLCANO-SEISMIC NETWORK

This network is operated jointly by the Volcanology programme and the Seismological Observatory to monitor seismic activity associated with volcanic and tectonic processes about Tongariro Volcanic Centre. The instruments at all sites are Mark Products L4-C short-period vertical seismometers and their signals are telemetered and recorded on a 16-channel EARSS at the Chateau Observatory. The signals from selected stations are also recorded on VR-1 pen-and-ink recorders.

Code	Station	Component(s)	Foundation
CNZ	Chateau	Z	Andesitic ash
DRZ	Dome Shelter	Z	Andesite ash
KAVZ	Karewarewa	Z	Lava
MGZ	Maungaku	Z	Andesite
NGZ	Ngaruhoe	Z	Andesite lava
TUVZ	Tukino	Z	Tephra

WELLINGTON NETWORK

The stations of the Wellington network are linked by radio or land-line to event-detecting and recording systems at the Observatory at Kelburn. The primary recording of the Wellington network was moved to a 16-channel EARSS in April, but the SNARE magnetic tape system was retained as a backup. The EARSS recording system sends detected events directly to the Observatory computers. The instrument at WEL is a Kinemetrics force balance accelerometer and the data is recorded separately by a 3 channel EARSS digital recording system. The seismometer at MRW is a Mark Products L4-3D. The seismometers for the rest of the network are Mark Products L4-C instruments with a period of 1.0 second. The MRW vertical component is also transmitted to a heated stylus recorder. The lithological foundation at most stations is Jurassic-Permian Greywacke. The exceptions are BBW (schist), CCW (Miocene sandstone) and DIW (Granodiorite).

Code	Station	Component(s)
AMW	Mt Adams	Z
BBW	Blackbirch	Z
BHW	Baring Head	Z
BLW	Big Hill	Z
CAW	Cannon Point	Z
CCW	Cape Campbell	Z
DIW	D'Urville Island	Z
GFW	Glenfield	Z
KIW	Kapiti Island	Z
MOW	Moikau	Z
MRW	Makara Radio	ZNE
MTW	Mount Morrison	Z
OTW	Orongorongo Valley	Z
TCW	Tory Channel	Z
WEL	Wellington	ZNE

MARLBOROUGH NETWORK

This network operated during the period 1993 October 17 until 1994 March 14. It formed part of a major seismograph deployment in the southern North Island and northern South Island, carried out in conjunction with Memphis State University, Victoria University of Wellington, and the University of Leeds.

Stations prefaced with RAM were equipped with 4.5 Hz vertical geophones and RATS II digital arrival-time recorders. All other stations had 1 Hz three-component seismometers and EARSS digital recorders, with the exception of station YARM, which had only a vertical component 1 Hz seismometer and EARSS recorder.

None of these stations have official international codes.

CODE	NAME	LATITUDE d	m	s		LONGITUDE d	m	s		ALT m
CASM	Castle River	41	58	49	S	173	26	26	E	740
CLAM	Clarence	42	04	39	S	173	50	28	E	160
CONM	Conway River	42	37	16	S	173	22	32	E	90
FABM	Fabian's Valley	41	30	16	S	173	34	32	E	170
FLAM	Flaxbourne	41	45	45	S	174	11	50	E	100
GOHM	Goat Hill	42	27	31	S	173	18	02	E	460
GRAM	Graham Valley	41	11	59	S	172	46	46	E	460
IRVM	Irvine's farm	41	27	03	S	173	05	43	E	120
ISIM	Isis Stream	41	51	50	S	173	42	13	E	480
ISOM	Isolated Hill	42	41	54	S	172	59	32	E	190
JOPM	Jollies Pass	42	27	46	S	172	51	52	E	800
KEKM	Kekerengu	41	58	17	S	173	58	58	E	120
KENM	Kenepuru	41	08	04	S	174	08	21	E	70
KOKM	Kokorua	41	06	15	S	173	33	06	E	20
KORM	Koromiko	41	19	49	S	173	55	50	E	80
LEAM	Leatham	41	45	08	S	173	12	28	E	510
LINM	Linkwater	41	16	08	S	173	51	29	E	40
LYLM	Lyndon Lea	42	50	46	S	173	17	52	E	80
MAPM	Maxwell Pass	41	34	37	S	173	57	13	E	120
MOLM	Molesworth	42	05	15	S	173	15	38	E	880
NMCM	No Man's Creek	42	06	10	S	172	54	30	E	970
PUHM	Puhi Puhi River	42	18	05	S	173	42	49	E	120
PUPM	Puponga	40	30	45	S	172	41	39	E	20
RAM1	Moutere RATS 1 (Gibbs Valley)	41	25	05	S	173	03	29	E	80
RAM2	Moutere RATS 2 (Pigeon Valley)	41	23	08	S	173	01	26	E	100
RAM3	Moutere RATS 3 (Forest)	41	21	18	S	172	59	04	E	270
RAM4	Moutere RATS 4 (Tobacco farm)	41	19	45	S	172	56	23	E	180
RAM5	Moutere RATS 5 (Orchard)	41	17	27	S	172	54	18	E	130
RAM6	Moutere RATS 6 (Silcock's farm)	41	15	54	S	172	51	57	E	320
RAM7	Moutere RATS 7 (Jenkins' farm)	41	14	12	S	172	49	24	E	80
RIMM	Rimutaka	41	14	00	S	175	09	31	E	50
ROBM	Mt Robertson	41	23	32	S	174	01	00	E	80
SPCM	Serpentine Creek	42	14	52	S	172	45	18	E	1080
SRWM	St Ronan's Well	41	56	49	S	172	53	51	E	770
TOTM	Totaranui	40	50	28	S	172	58	47	E	240

VERM	Vernon	41	33	31	S	174	07	00	E	60
WAIM	Waihopai	41	43	44	S	173	28	03	E	410
WROM	White Rock	41	33	12	S	175	23	45	E	50
YARM	Yarra River	42	14	20	S	173	03	35	E	810

NAPIER NETWORK

A seismic experiment to measure weak motion on Bluff Hill and the surrounding flats was undertaken during March and April by Dr R A Benites and Dr A J Haines. The network consisted of 18 stations. The instruments were three-component short period seismometers with EARSS digital recorders. Data from the two listed below were incorporated in the routine earthquake analysis.

CODE	LATITUDE d	m	s		LONGITUDE d	m	s	
BBNN	39	29	23	S	176	54	48	E
SPNN	39	31	25	S	176	50	38	E

ARTHUR'S PASS NETWORK

This network was installed to record aftershocks of the 1994 June 10 Arthur's Pass earthquake. Stations denoted by * had single-component instruments with RATS II recorders. All the other stations had three-component short period instruments with EARSS recorders. These stations operated from June 19 to Jul 05.

These station codes are not internationally recognised.

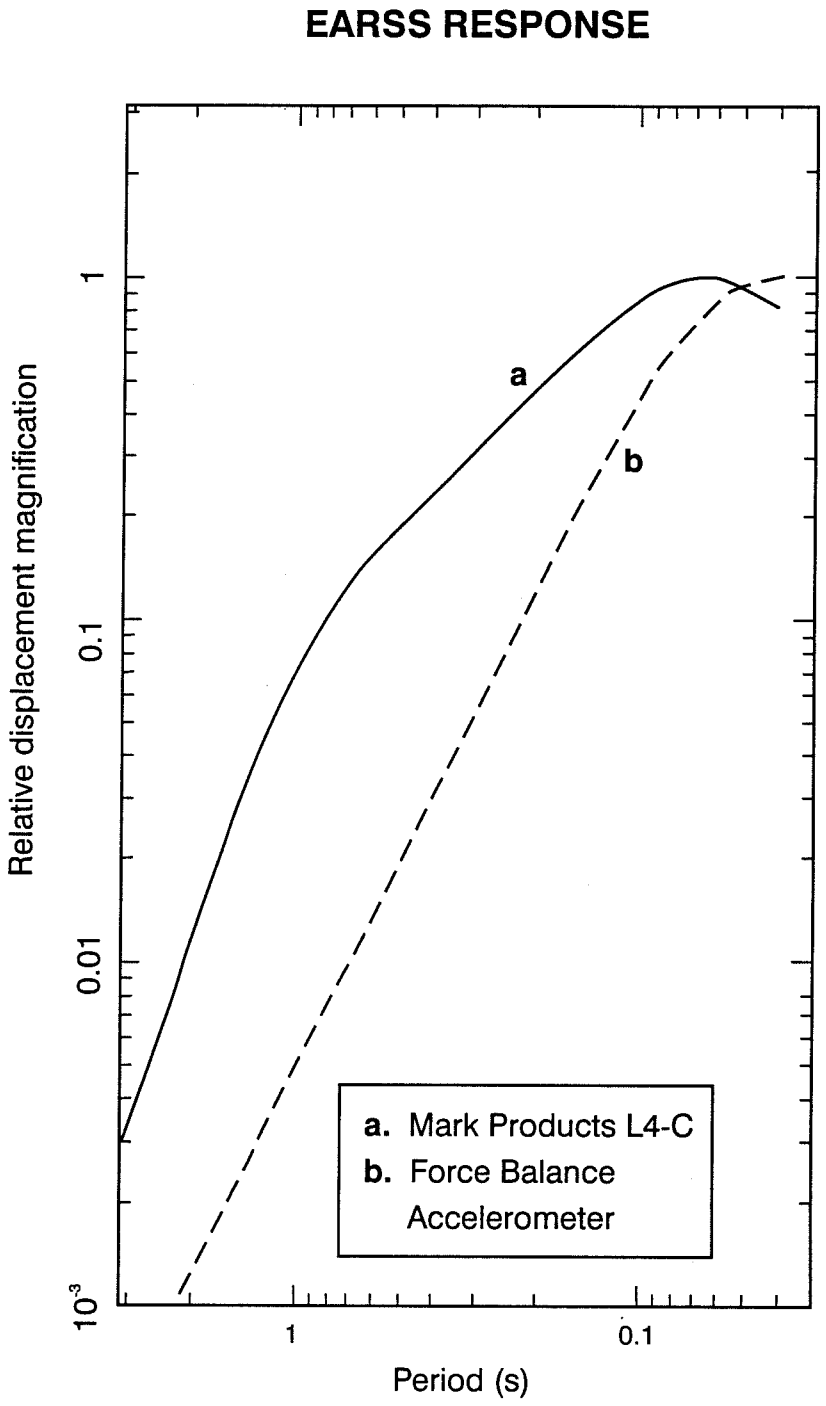
CODE	NAME	LATITUDE d	m	s		LONGITUDE d	m	s	
AVOA	Avoca River	43	04	38	S	171	29	31	E
BEAA	Bealy Hotel	43	01	22	S	171	36	38	E
*BERA	Bealy Hotel	43	01	24	S	171	36	35	E
*BURA	Burnet Creek	43	03	18	S	171	20	04	E
CASA	Castle Hill	43	10	26	S	171	25	26	E
*CAVA	Cave Stream	43	09	21	S	171	43	01	E
DOUA	Double Hill	43	18	19	S	171	19	32	E
*GEOA	Lake Georgina	43	19	11	S	171	34	17	E
HALA	Halpin's Creek	42	58	33	S	171	34	46	E
HARA	Mt Harry	42	53	28	S	171	06	23	E
HOKA	Hokitika Motel	42	42	45	S	170	58	20	E
*HPRA	Harper River	43	11	38	S	171	32	09	E
LAKA	Lake Ida	43	14	14	S	171	34	12	E
*OTRA	Otira	42	51	16	S	171	32	48	E
PEAA	Lake Pearson	43	08	03	S	171	45	57	E
TAIA	Taipo River	42	45	11	S	171	25	04	E
*TARA	Taipo River	42	45	11	S	171	25	04	E
WAIA	Waimakariri	42	59	28	S	171	27	44	E
WILA	Wilberforce	43	03	13	S	171	18	45	E

EAST CAPE NETWORK

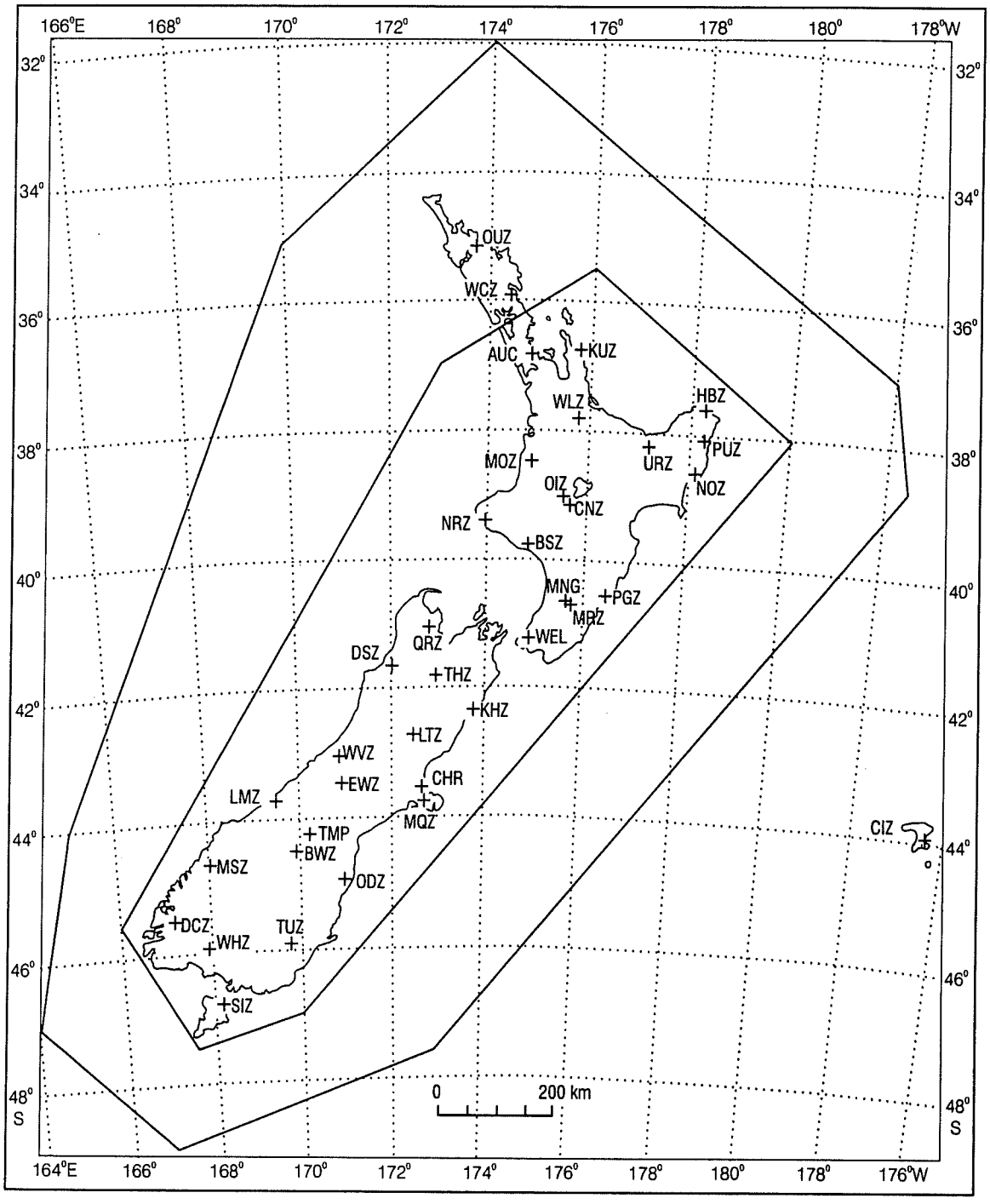
This network of digital portable seismographs operated from July to December. It formed part of a major seismograph deployment in the central North Island, carried out in conjunction with Memphis State University, Victoria University of Wellington and the University of Leeds. Stations denoted by * were equipped with 4.5 Hz vertical geophones and RATS II digital arrival-time recorders. All other stations had 1 Hz three-component seismometers and EARSS digital recorders.

None of the stations have internationally approved codes.

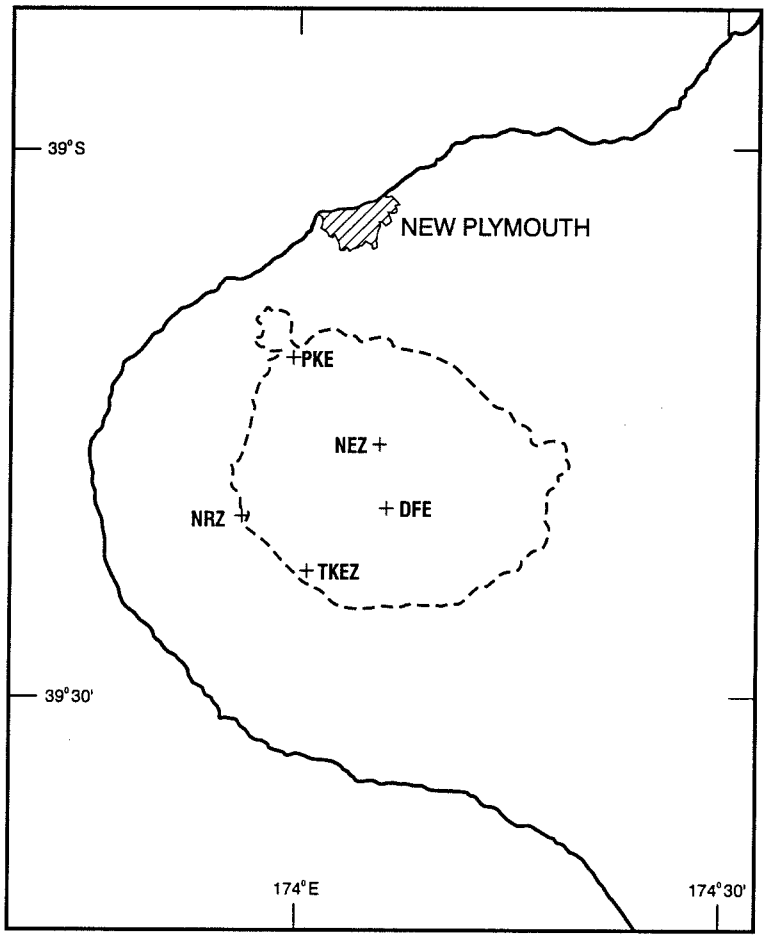
CODE	NAME	LATITUDE d	m	s		LONGITUDE d	m	s		ALT m
ARKE	Arakihi	38	23	28	S	178	06	48	E	120
AVNE	Avondale	38	41	05	S	177	40	16	E	240
* BSHR	Bushy Knoll	38	39	37	S	177	29	58	E	460
CAPE	East Cape	37	41	30	S	178	32	46	E	40
KOKE	Kokohu	39	01	24	S	177	40	25	E	60
MARE	Marau Point	38	17	36	S	178	19	32	E	60
* MARR	Marumaru	38	53	31	S	177	26	36	E	40
* MATR	Mata River	37	57	43	S	178	09	55	E	180
* MGPR	Mangapoike	38	50	02	S	177	42	28	E	344
MOTE	Motu	37	52	24	S	177	36	16	E	20
MURE	Muriwai	38	46	34	S	177	53	02	E	60
* OPAR	Opape	37	59	52	S	177	27	06	E	100
* ORER	O'Regan Road	37	44	19	S	178	14	58	E	180
PAKE	Pakarae	38	31	10	S	178	15	26	E	60
* PAKR	Pakira	37	42	08	S	178	03	02	E	210
PARE	Paritu	38	56	25	S	177	53	14	E	390
PKHE	Pakihiroa	37	51	39	S	178	05	36	E	200
RANE	Rangitukia	37	42	57	S	178	29	03	E	60
REPE	Reporua	37	52	54	S	178	22	52	E	120
RUAE	Ruatahunga	38	04	51	S	177	56	58	E	750
RUNE	Cape Runaway	37	33	42	S	178	00	53	E	40
* TAUR	Tauphareparare	38	14	46	S	178	04	18	E	580
TEKE	Te Kaha	37	45	39	S	177	45	39	E	80
TOAE	Toatoa	38	07	26	S	177	34	31	E	380
WMAE	Waimaha	38	34	51	S	177	22	04	E	440
WOOE	Woodgreen Stn	38	45	23	S	177	15	52	E	460
WPOE	Waipaoa	38	17	28	S	177	52	05	E	280
WTE	Wairoa Telephone Exchange	39	02	09	S	177	25	25	E	5



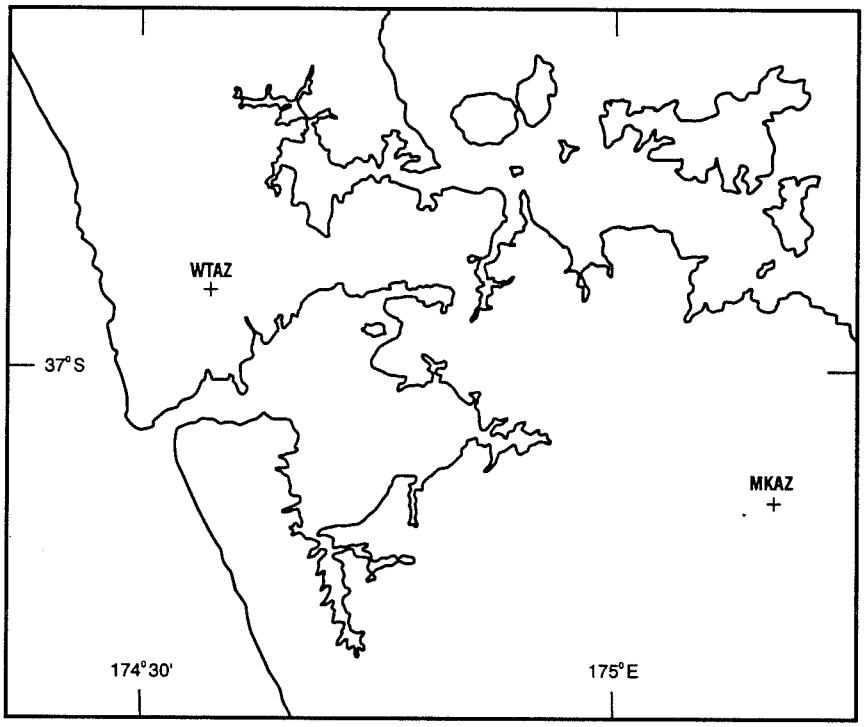
Period response curve of L4-C seismometers with EARSS recorders.



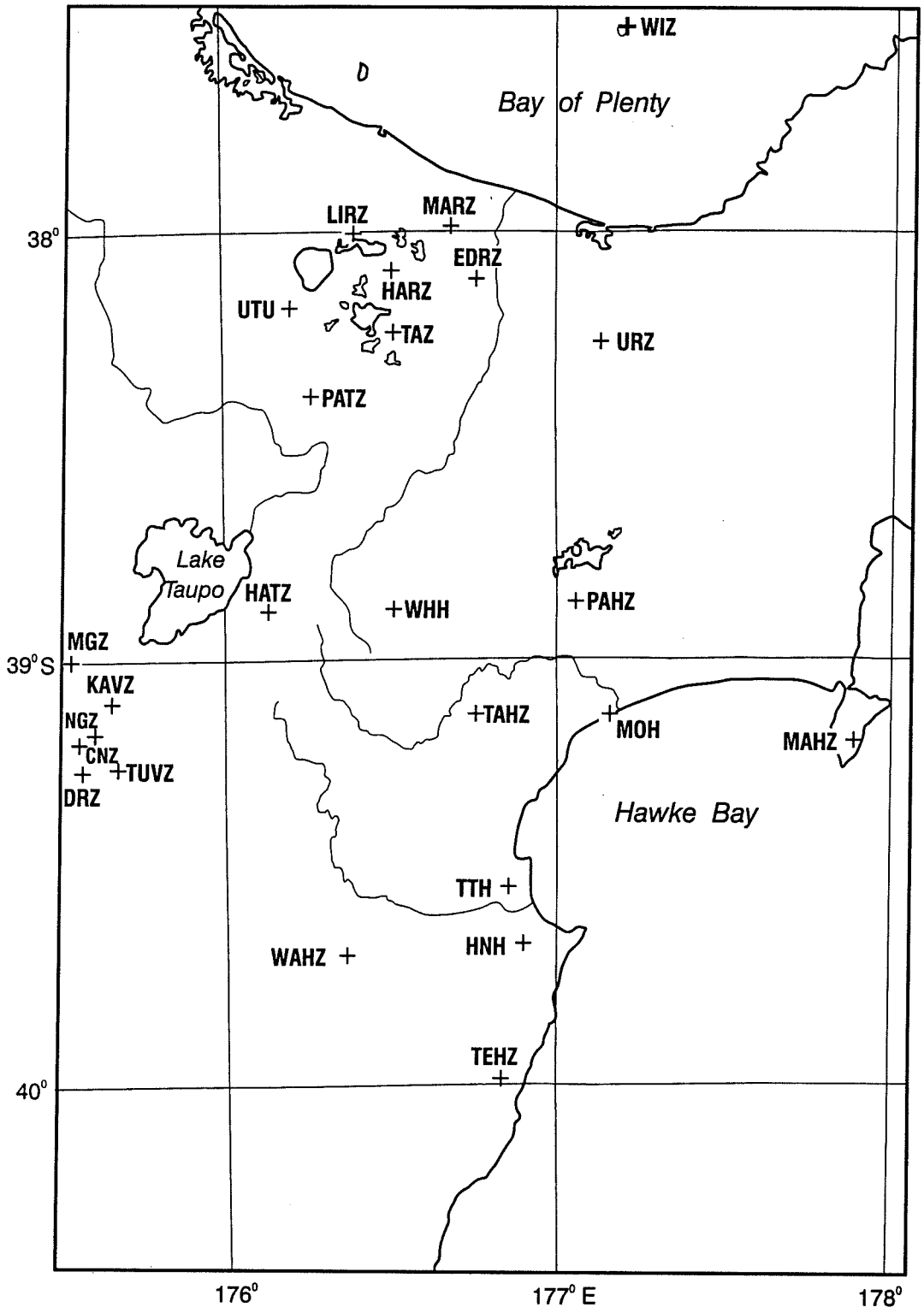
Stations of the National Seismograph Network. Some stations that are too closely spaced to show on this scale are shown instead on the map of the Volcano-seismic and Hawkes Bay Networks. The inner and outer polygons define areas where accuracy of epicentre locations is considered reliable, less reliable and inadequate.



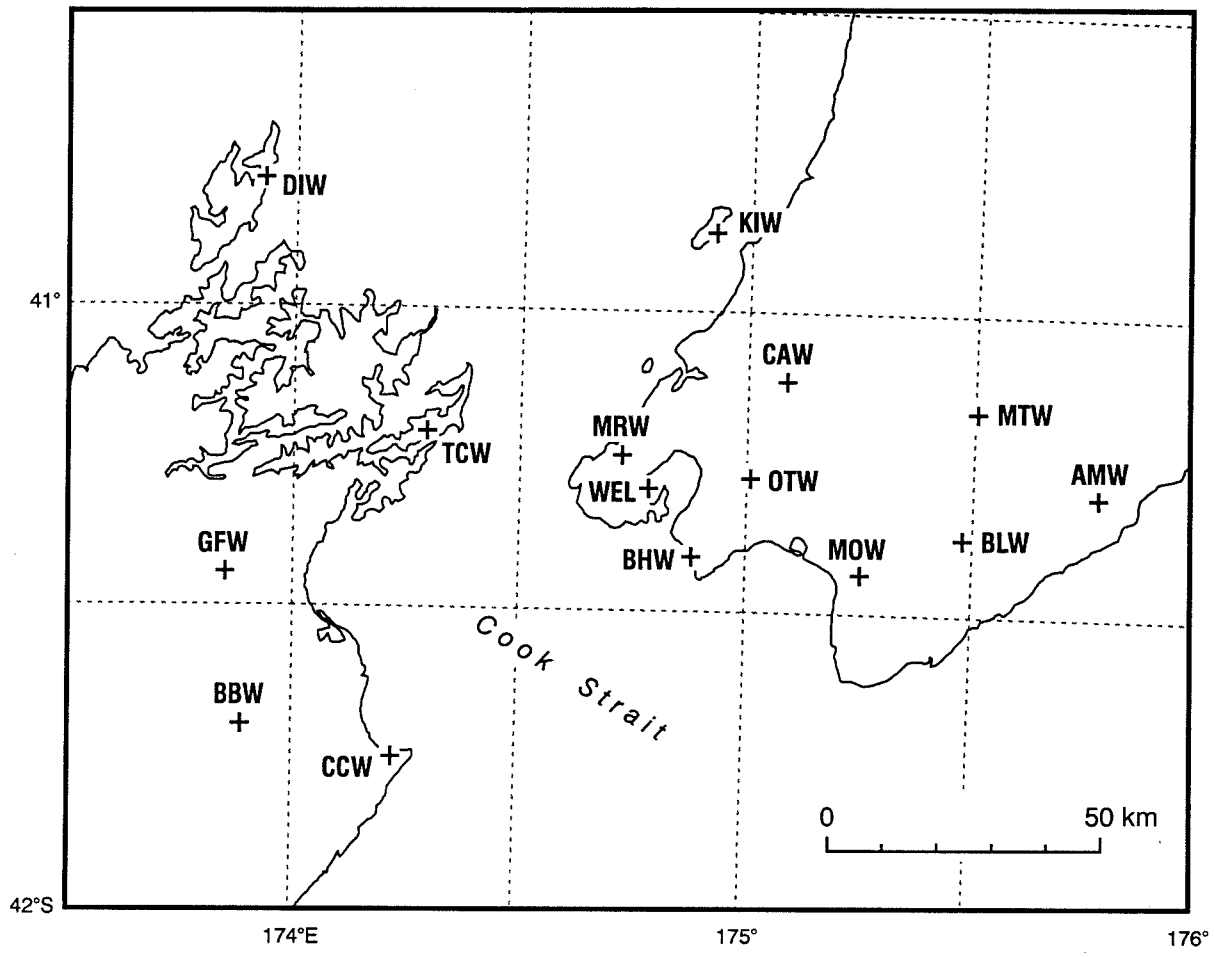
Stations of the Taranaki Volcano-seismic Network.



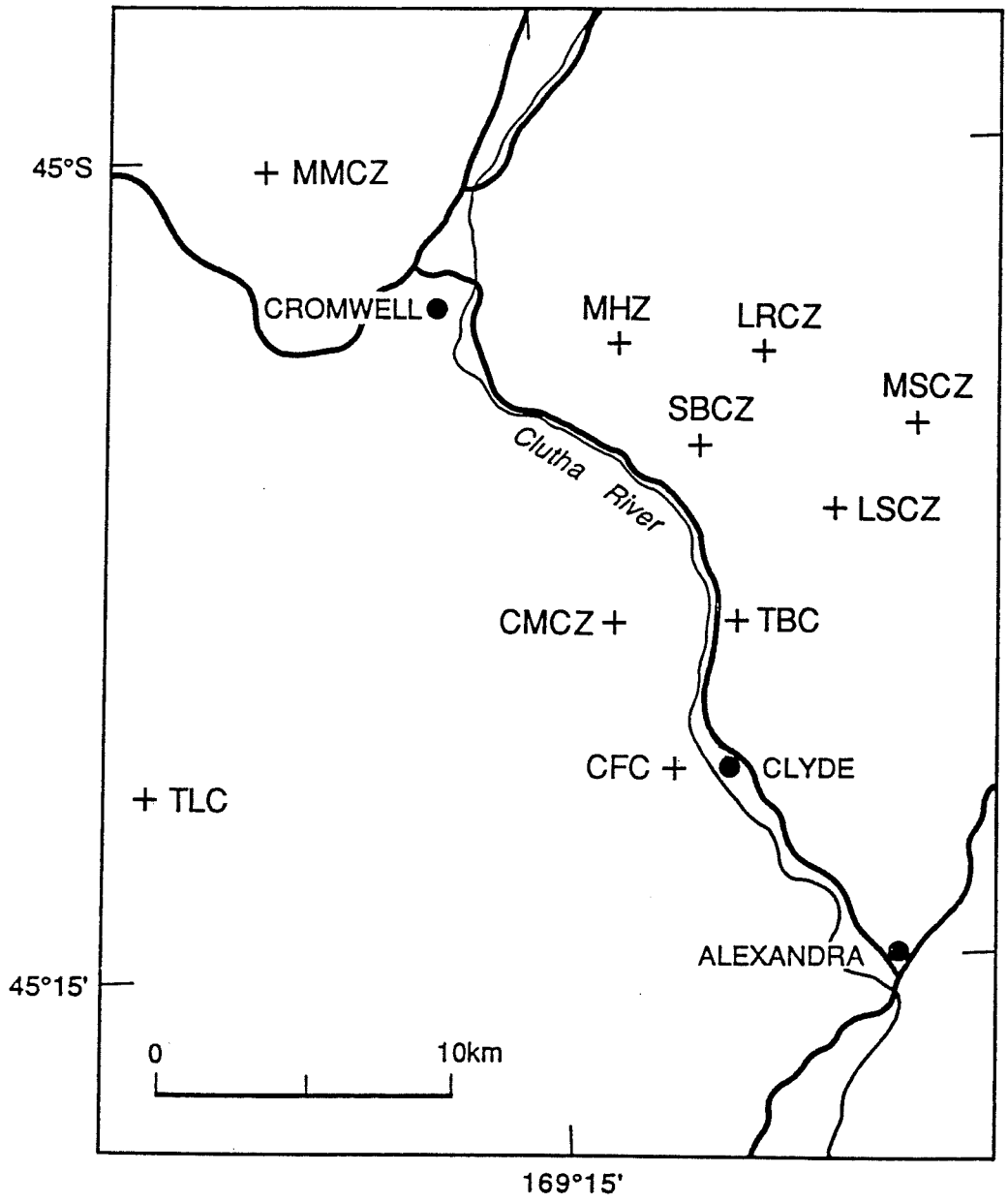
Stations of the Auckland Volcano-seismic Network.



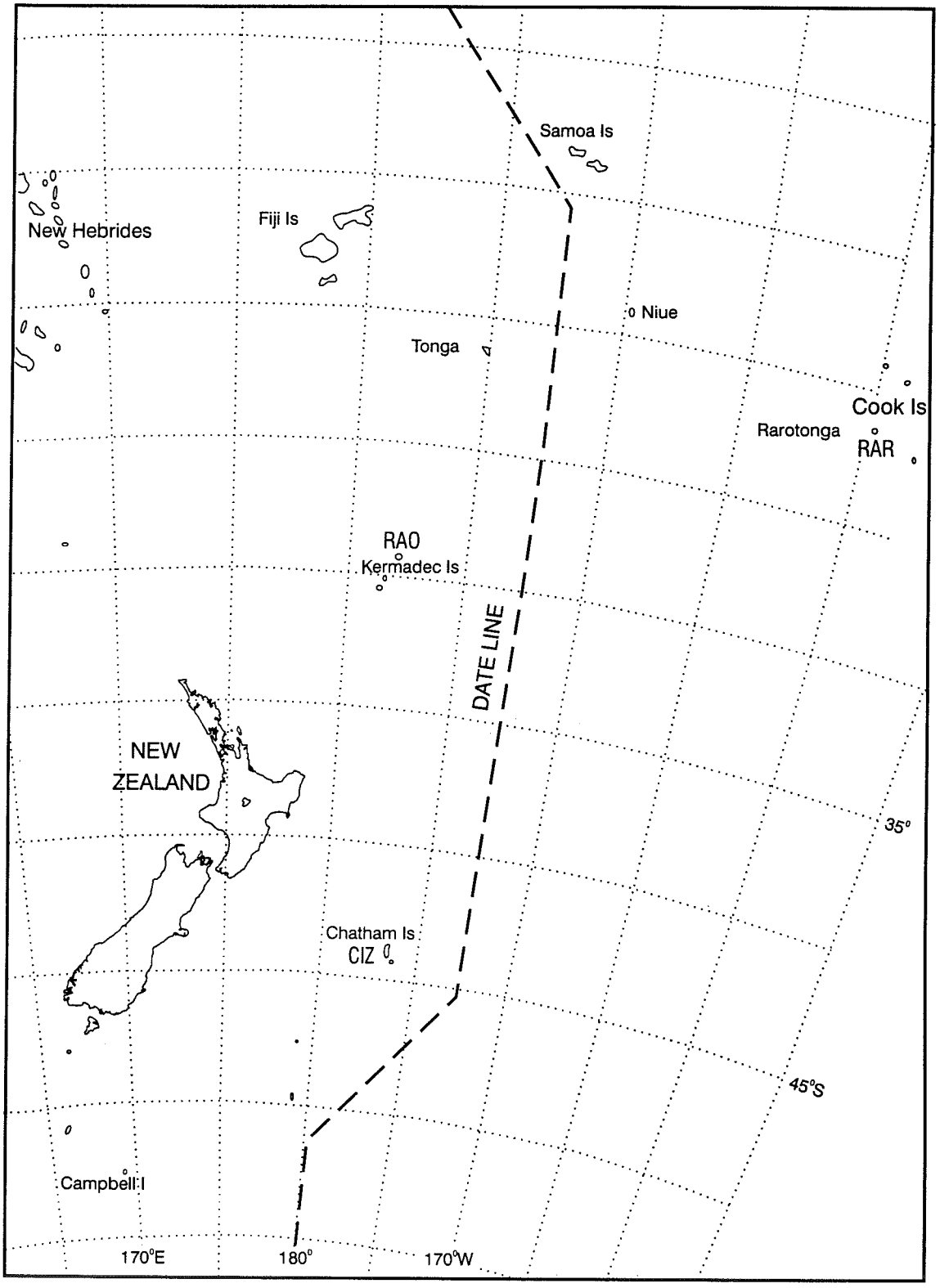
Stations of the Volcano-seismic and Hawkes Bay Networks. Other stations lying within the boundaries of the map are also shown.



The Wellington Network includes stations on both sides of Cook Strait.



The Clyde Network monitors seismic activity around the Clyde Dam.



Pacific Island Stations

TIMING ARRANGEMENTS

Unless stated otherwise, times in this Report are given in Universal Time (U.T. or, more strictly, U.T.C., which is basically atomically kept time, adjusted when necessary by one second steps ("leap seconds") to agree with the astronomically determined time known as UT1). For most seismological and civil purposes this may be regarded as the Mean Solar Time of the Greenwich meridian.

On paper seismograms made by the national network, minute marks, derived from quartz crystal clocks of high stability, appear on records as abrupt trace deflections of about two seconds duration. Radio time signals also operate the trace deflector so that the relationship between the locally generated minute marks and Universal Time can be established. In most cases the radio signals are those of the New Zealand Time Service, transmitted hourly through the stations of Radio New Zealand, but in areas where local reception is bad, a time signal broadcast from overseas may be used. It is estimated that the total error in time-signal recording resulting from signal transmission and delay in operation of the trace deflector should never exceed 30 milliseconds.

SNARE and EARSS instruments are also equipped with high stability clocks and radio receivers tuned to pick up Time Service signals. A software routine establishes a clock drift rate and applies a correcting signal calculated to bring the clock smoothly into synchronism with the time signals (which are usually received hourly). The difference between internally kept time and Time Service times is recorded and a correction applied by CUSP interactive display software to the phase onset times chosen by analysts. Corrected arrival times are expressed to a precision of one hundredth of a second, usually with an accuracy of a few hundredths, but errors of almost a tenth of a second have occasionally been detected.

Stations of the World-Wide Standard Seismograph Network have the timing arrangements usual at such stations. At other stations beyond New Zealand, time signals originating from the national Time Service or some other reliable time service are used.

It is sometimes desirable to know the local civil time at which an earthquake occurred. The times now used for civil purposes in New Zealand (except the Chatham Islands) are New Zealand Standard Time, and New Zealand Daylight Time, which are defined in the Time Act, 1974. New Zealand Standard Time is 12 hours, and New Zealand Daylight Time 13 hours, ahead of U.T. The period of Daylight Time is specified by Order in Council, as provided by the Act, and in 1994 Daylight Time was in effect until 02h NZST on March 20th, and from 02h NZST on October 2nd until the end of the year.

The time observed in the Chatham Islands is 45 minutes in advance of that currently in use in New Zealand. New Zealand Standard Time is observed at Scott Base, in Fiji and on Raoul Island. Times kept elsewhere in the South Pacific are set by the governments of the respective countries. Those used in places which sometimes report earthquakes to the Observatory are listed below.

Western Samoa	11h 00m behind U.T.
Niue	11h 00m behind U.T.
Rarotonga	10h 00m behind U.T.
Tonga	13h 00m ahead of U.T.
Norfolk Island	11h 30m ahead of U.T.
French Polynesia	10h 00m behind U.T.

Note that Western Samoa, Niue, Rarotonga and French Polynesia are on the opposite side of the International Date Line from New Zealand.

ORIGIN INFORMATION

CONTENT

This section contains origin times, epicentres, focal depths, and magnitudes of earthquakes in the New Zealand region that the Observatory has located from instrumental data, together with indicators of the quality of the data used.

In the areas within the inner and outer polygons outlined on the map on page 23, the Observatory attempts to determine origins for all shallow earthquakes of M_L 3.5 or more, and all shocks of M_L 4.0 or more, respectively. (Origins are regarded as shallow if their depth is less than 40 km.) Origins are also calculated for smaller or more distant earthquakes reported to have been felt in New Zealand. Weak shocks felt during earthquake swarms do not automatically get this individual attention, but an origin is found for at least one shock in any sequence giving rise to felt reports.

DETERMINATION OF ORIGINS

Earthquake origins are determined using P and S phases or first-arriving crustal P and S phases. Four different velocity/depth structures are used to calculate travel-times of rays passing through and immediately beneath the crust in different parts of the country (see table below). Beneath the "Moho" defined by these models, velocities are smoothly merged with those of the Jeffreys-Bullen Tables (British Association for the Advancement of Science, 1958). The Standard velocity model is used to calculate crustal velocities beneath all regions except those defined in the following table.

MODEL	UPPER DEPTH BOUNDARY (km)	Vp (km/s)	Vs (km/s)	CORNERS OF REGION Lat.	Long.
				(in clockwise order)	
New Zealand Standard	0.0	5.5	3.3		
	12.0	6.5	3.7		
	33.0	8.1	4.6		
Wellington	0.0	4.40	2.54	41.0 S	178.0 E
	0.4	5.63	3.16	43.5 S	175.0 E
	5.0	5.77	3.49	42.0 S	173.0 E
	15.0	6.39	3.50	39.7 S	175.7 E
	25.0	6.79	3.92		
	35.0	8.07	4.80		
	45.0	8.77	4.86		
Taupo	0.0	3.00	1.70	35.6 S	180.0 E
	2.0	5.30	3.00	38.0 S	177.5 E
	5.0	6.00	3.50	39.7 S	175.7 E
	15.0	7.40	4.30	39.0 S	175.0 E
	33.0	7.78	4.39	37.0 S	176.0 E
	65.0	7.94	4.51	34.6 S	178.5 E
	96.4	8.08	4.52		
Clyde	0.0	4.4	2.6	45.5 S	172.0 E
	0.5	6.0	3.3	49.0 S	167.0 E
	12.0	6.5	3.7	44.5 S	168.0 E
	33.0	8.1	4.6	44.0 S	169.0 E

Seismograms are displayed on high-resolution graphics monitor screens under the control of CUSP (Caltech-USGS Seismic Processor) interactive software for an analyst to select phase onset times by positioning a cursor on the trace. The analyst also selects the amplitude maximum to be used in magnitude calculations. Whenever possible, locations are based exclusively on times of first-arriving P and S phases.

Weights are initially assigned to phase arrival times by analysts according to the precision of the measurement. The weight of readings is further modified by the location program, which, after each iteration, weights the residuals used to adjust the trial origin. The procedure (see Jeffreys, H., 1939: Probability Theory. Cambridge University Press) greatly reduces the weight given to phases with residuals greater than three standard errors.

In general, all four coordinates of the earthquake origin are calculated (origin time, latitude, longitude, and focal depth). In some cases, however, the focal depth is not allowed to vary, but restricted to some chosen depth. This is most commonly done for crustal earthquakes. Unless there is a station within 25 km of a shock in the upper crust, or within 50 km of a shock in the lower crust, a nominal depth of either 12 or 33 km is usually assigned, according to the crustal phases present and the goodness of fit of the resulting solution. Less often, the depth is restricted to a smaller value, particularly when the strengths of locally reported felt intensities indicate an uncommonly shallow focus. The letter R printed after the depth in the lists which follow indicates a restriction for any of the foregoing reasons. There are also times when data not suitable for input to the location program (e.g. overseas PKP readings), indicate the depth of focus; in such cases the depth is similarly fixed and the restriction shown by following the depth by the letter G (to indicate intervention by a Geophysicist). When convergence of the location program fails for lack of enough data, both epicentre and depth are fixed at values consistent with the available information, and computation limited to finding a compatible origin time. Such doubly-restricted origins have the letters RR printed after the depth.

In routine origin determinations, sufficient of the stations nearest to the epicentre are read to ensure that there will be enough data for a satisfactory solution. When enough near observations are available, arrival times recorded at stations more distant from the epicentre are excluded from the calculations. Observatory analysts are free to completely reject data which they think to be unreliable, or to assign a low initial weight to it in the location program's procedure for minimising mean residuals. (See earlier details of how the weights are used).

In using the results in this section, it is essential to keep in mind that the positions of earthquakes with epicentres outside the network of seismograph stations can be very uncertain, even though the mean residual is small. With the aim of helping the reader to assess the reliability of the results presented here, the positional relationships between an epicentre, and the stations which recorded the data used to find it, are given after the calculated origin coordinates. Similarly, the number of magnitude estimates contributing to the mean value, and an indication of their scatter, are also shown.

The solutions presented here are in all cases based upon uniform procedures applied to laterally homogeneous models. Because well-established local models have been used to calculate the origins of shocks within the Wellington and Clyde Networks, systematic errors in these areas should be smaller than in other parts of the country.

The extensive development of CUSP software necessary to adapt it for use in New Zealand was undertaken by Dr T Webb and Dr E Smith.

MAGNITUDES

The magnitudes assigned to local earthquakes are intended to be the values of M_L as originally defined by C.F. Richter (*Bull. Seism. Soc. Am. 25*: 1-32, 1935), but his procedure for performing the magnitude calculation at other than the standard distance of 100 km has been modified, to take account of the observed characteristics of energy propagation in New Zealand, including the effect of focal depth (Haines, A.J., *Bull. Seism. Soc. Am. 71*: 275-94, 1981).

For stations more than 100 km away from the epicentre, an amplitude-distance relationship of the form

$$A = A_0 R^{-N} \exp (- \alpha R)$$

where A is an amplitude recorded at an epicentral distance R, A_0 is a calibration function, N is a geometric spreading factor and α is an inelastic attenuation coefficient, has been found appropriate for all parts of the country.

For all New Zealand crustal earthquakes N is 2 and α generally takes a value close to 0. With these values, the relationship describes head-wave propagation with no attenuation. In the Central Volcanic Region, however (see Map, page 34), α takes values of 0.8 deg^{-1} for P waves and 1.05 deg^{-1} for S waves. Adjustments are therefore made according to the distance travelled in the volcanic region.

For deep earthquakes in the Main Seismic Region the same parameters as for crustal earthquakes apply (N = 2, α = 0), provided that (i) R now measures the slant distance from the focus to the base of the crust, and (ii) stations to the west of the Central Volcanic Region or south of the Main Seismic Region are not used, because the structure there necessitates different spreading and attenuation terms.

For deep earthquakes in Fiordland the same amplitude-distance relationship is used with (i) N given the value 1 (body wave propagation), (ii) α increasing with focal depth, and (iii) stations in the North Island not used because of variations of the coefficients N and α. Milford Sound (MSZ), Wether Hill (WHZ), and Deep Cove (DCZ) should ideally be excluded for the same reason, but as they are sometimes the only stations from which any estimate of magnitude can be made, they are used when necessary, with N = 2 and α = 0.

For stations closer than 100 km to the epicentre, the formula

$$M_A = \log_{10} A + 1.0 \log_{10} R + 0.0029 R + K$$

developed by R. Robinson (*Pageoph 125*: 579-596, 1987) is used, where A is the maximum digital count, R is the slant distance from the station to the earthquake focus (in kilometres) and K is a station correction allowing for site factors.

Empirical corrections are applied to allow for differences in site effects. They are made in such a manner as to give the most consistent estimates of magnitude from the different stations, and their absolute level is adjusted to give a standard Wood-Anderson instrument at Wellington a zero correction, a procedure that can be justified on *a priori* grounds and provides a smooth connection with previously published New Zealand magnitudes. Station corrections (see Table on page 33 for synthetic Wood-Anderson values) are added to the individual estimates of magnitude, which are then averaged.

The amplitudes on which magnitude calculations are based are no longer published, but the number of measurements and the number of stations contributing to the average magnitude are listed (e.g. "5M/4stn" appearing in a data summary indicates that 5 amplitude measurements of records from 4 stations were used to compute an average).

The definitive local magnitude is finally calculated as a weighted average of all station estimates. Estimates from stations at distances less than 100 km are given half weight, as are stations WHZ, DCZ, and MSZ for deep earthquakes in Fiordland. When 8 or more synthetic Wood-Anderson readings are available, magnitudes derived from vertical component amplitudes are given zero weight.

CALCULATION OF AMPLITUDES

Synthetic Wood-Anderson seismograms are computed for all horizontal components at non-telemetered EARSS stations having Mark Products L4-C 1 Hz seismometers or, in the case of WEL, a Kinemetrics force-balance accelerometer (see Map, page 34). The Wood-Anderson gain used is 2080. The maximum amplitude for each computed trace is picked automatically, but can be updated by the analyst. Only amplitudes exceeding a pre-determined level for each station are given weight in the calculations to avoid amplitudes being picked from micro-seismic noise.

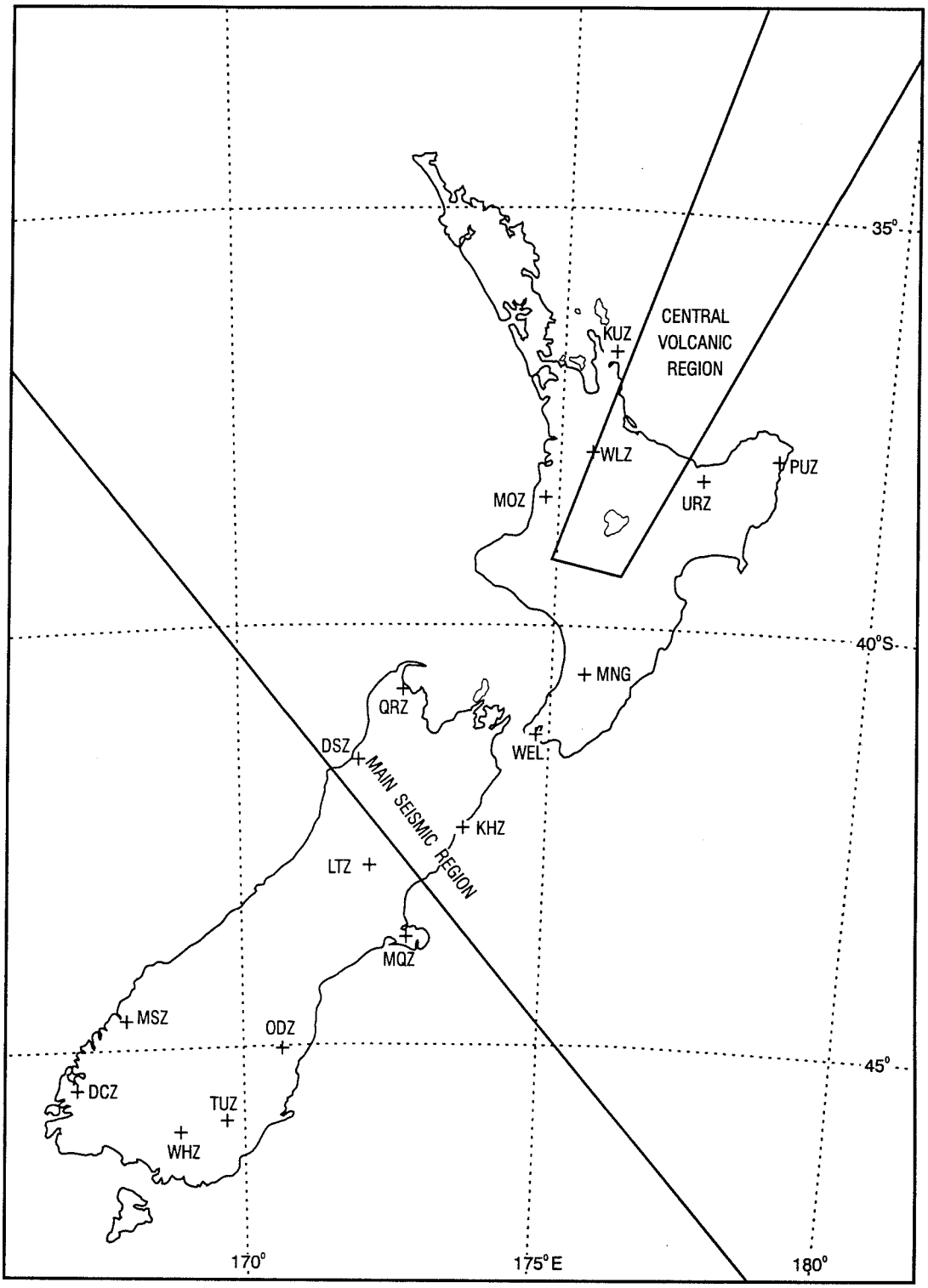
Maximum amplitudes are also picked off vertical traces for both telemetered and non-telemetered stations. This is necessary to obtain readings for small events. For very small events, traces are high-pass filtered to enable an amplitude to be picked. Magnitudes are unable to be calculated for only a few small deep events for which no east coast station has been triggered.

Note that there are usually two horizontal seismograms for each 3-component station, so that synthetic Wood-Anderson values tend to dominate the average magnitude.

Magnitude corrections for the two classes of focal depth, for earthquakes recorded on synthetic Wood-Anderson seismograms.

Station	Component		Correction (H≤33 km)	Correction (H>33 km)
DCZ	H	Fiordland only		+0.59
DCZ	H	All shallow	+0.60	
DSZ	H	Fiordland only		+0.22
DSZ	H	All shallow	+0.22	
KHZ	H		+0.43	+0.33
KUZ	H		+0.36	
LTZ	H		+0.59	
MNG	H		+0.51	+0.45
MOZ	H		+0.36	
MQZ	H		+0.46	
MSZ	H	Fiordland only		+0.21
MSZ	H	All shallow	+0.35	
ODZ	H		+0.45	
PUZ	H		+0.29	+0.57
QRZ	H		+0.35	
TUZ	H		+0.31	
URZ	H		+0.35	+0.67
WEL	N		0.00	0.00
WEL	E		+0.09	+0.09
WHZ	H	Fiordland only		+0.35
WHZ	H	All shallow	+0.19	
WLZ	H	All shallow	+0.30	

H refers to horizontal seismometers, either N/S or E/W.
Note that WEL E needs a slight empirical correction to agree with the N component and with the standard Wood-Anderson instrument.



Stations and regions used for determination of synthetic Wood-Anderson magnitudes from digital records.

DATA FROM THE NATIONAL NETWORK

LAYOUT

The first entry for each earthquake is the reference number used throughout the Report. The second line gives the origin coordinates and the magnitude, and the third line shows, beneath each of the coordinates in line two, their respective standard errors. Where depth has been restricted, the letter R or G in place of the standard error indicates the fact. The fourth line starts with Rsd, the standard deviation of residuals, an indication of how well the adopted origin reconciles the available data with the earth models used by the location program. Formally,

$$\text{Rsd} = \left[\sum_{i=1}^{n} \{(w_i\, r_i \;/\; 100)^2 \;/\; (n - m)\} \right]^{1/2}$$

where r_i is the ith residual, w_i its weight, n the number of readings and m the number of parameters determined (4 for unrestricted depth, 3 when depth is restricted.) When the number of readings used and the number of parameters are the same, the standard errors and Rsd are not defined. This is shown by the letters ND. The remainder of the fourth line and most of the fifth line present information indicating to the reader the degree of constraint on the adopted origin. Xph/Ystn shows that X phases from Y stations were used in the determination of the origin. (All phases given non-zero weight are counted but stations which failed to provide such a phase are not). Dmin is the distance from the epicentre to the nearest of these Y stations and Az. gap is the greatest angular gap in their distribution about the epicentre.

Corr. is the correlation coefficient of the errors in latitude and longitude. It may be used to construct an epicentral confidence region. (See Flinn, E.A., 1965, "Confidence regions and error determinations for seismic event locations". Rev. Geophys. 3: 156-185.) pM/Qstn shows that p magnitude estimates from phases recorded at Q stations contributed to the average value shown on line two. Msd is the standard deviation of the magnitude estimates.

The numbers of upward and downward first motions recorded are indicated at the end of line five.

Additional information may be appended to the above. This usually consists of a short summary of the places where a shock has been felt and the intensities there, but may include other comments. Further details of reports received by the Observatory concerning the effects of earthquakes and the intensities assessed from these observations appear in later sections of this Report.

The telemetered networks all detect earthquakes of very small magnitude in their respective regions. These are all located and the data are held in the Observatory's archives. The following list, however, contains only those events which were of magnitude 3.5 or greater, or were reported felt. Smaller events have been excluded, as have events located more than 10° from Wellington.

94/21
JAN 01 1513 52.3s 38.08S 176.46E 147km M=4.7
0.2 0.01 0.01 2
Rsd 0.1s 36ph/29stn Dmin 4km Az.gap 96°
Corr. 0.088 29M/15stn Msd 0.2 4↑ 6↓

94/68
JAN 02 2308 33.7s 37.08S 177.59E 146km M=4.0
0.4 0.03 0.02 4
Rsd 0.2s 12ph/11stn Dmin 86km Az.gap 250°
Corr. 0.301 21M/21stn Msd 0.2 1↓

94/90
JAN 03 1324 17.1s 49.00S 164.38E 33km M=5.5
0.4 0.03 0.04 R
Rsd 0.1s 15ph/13stn Dmin 366km Az.gap 313°
Corr. -0.158 60M/31stn Msd 0.3 1↑ 3↓
Felt Papatowai and Tautuku (156) MM4.

94/96
JAN 03 1902 34.4s 44.78S 167.77E 75km M=3.8
0.3 0.02 0.02 3
Rsd 0.2s 22ph/17stn Dmin 17km Az.gap 194°
Corr. -0.582 21M/17stn Msd 0.2 1↓

94/100
JAN 03 2202 28.5s 45.42S 166.72E 12km M=4.4
0.1 0.00 0.01 R
Rsd 0.0s 17ph/14stn Dmin 34km Az.gap 286°
Corr. -0.072 25M/20stn Msd 1.3 1↓

94/116
JAN 04 0722 18.5s 35.15S 177.40E 12km M=4.5
0.5 0.04 0.03 R
Rsd 0.1s 8ph/7stn Dmin 283km Az.gap 319°
Corr. 0.486 3M/3stn Msd 0.3

94/154
JAN 05 1425 05.5s 49.18S 164.75E 12km M=3.4
0.5 0.05 0.06 R
Rsd 0.1s 4ph/3stn Dmin 360km Az.gap 347°
Corr. -0.494 2M/2stn Msd 0.6
Felt Papatowai (156) MM3.

94/158
JAN 05 1856 57.9s 45.07S 167.34E 113km M=4.1
0.4 0.02 0.03 3
Rsd 0.1s 18ph/15stn Dmin 47km Az.gap 220°
Corr. -0.273 21M/15stn Msd 0.2 3↑ 11↓

94/166
JAN 06 0211 08.8s 45.41S 166.87E 27km M=4.2
0.6 0.02 0.06 1
Rsd 0.2s 15ph/13stn Dmin 23km Az.gap 285°
Corr. 0.318 23M/16stn Msd 0.2 1↑ 1↓

94/212
JAN 07 0608 51.9s 40.54S 175.69E 36km M=3.8
0.1 0.01 0.01 2
Rsd 0.2s 55ph/50stn Dmin 16km Az.gap 76°
Corr. -0.420 16M/8stn Msd 0.3 1↑ 7↓

94/215
JAN 07 0909 53.9s 36.78S 177.04E 175km M=3.6
1.2 0.11 0.23 26
Rsd 0.5s 10ph/8stn Dmin 144km Az.gap 282°
Corr. -0.777 4M/4stn Msd 0.2

94/217
JAN 07 1013 15.0s 36.77S 178.37E 94km M=3.5
0.5 0.02 0.04 4
Rsd 0.1s 11ph/10stn Dmin 92km Az.gap 274°
Corr. 0.836 2M/2stn Msd 0.1

94/225
JAN 07 1705 51.0s 45.09S 167.48E 110km M=3.6
0.5 0.03 0.04 5
Rsd 0.2s 18ph/14stn Dmin 50km Az.gap 222°
Corr. -0.543 15M/13stn Msd 0.1 1↑
DCZ P is an automatic pick, no records.

94/242
JAN 08 0535 47.9s 39.00S 175.30E 150km M=4.0
0.3 0.01 0.01 2
Rsd 0.2s 36ph/31stn Dmin 9km Az.gap 63°
Corr. -0.111 35M/30stn Msd 0.2 10↑ 1↓

94/267
JAN 08 2016 30.2s 38.14S 176.23E 176km M=4.2
0.5 0.02 0.02 4
Rsd 0.2s 31ph/28stn Dmin 20km Az.gap 104°
Corr. -0.222 31M/27stn Msd 0.3 3↑ 2↓

94/284
JAN 09 0354 47.0s 37.30S 176.43E 217km M=3.9
0.9 0.10 0.18 20
Rsd 0.2s 15ph/11stn Dmin 169km Az.gap 242°
Corr. -0.941 20M/20stn Msd 0.1

94/287
JAN 09 0437 49.2s 37.11S 176.76E 33km M=3.6
0.6 0.05 0.02 R
Rsd 0.3s 9ph/8stn Dmin 147km Az.gap 266°
Corr. -0.590 4M/4stn Msd 0.3

94/293
JAN 09 0700 35.1s 37.91S 176.44E 159km M=3.7
0.7 0.03 0.02 6
Rsd 0.2s 15ph/13stn Dmin 74km Az.gap 166°
Corr. -0.422 19M/19stn Msd 0.2 1↑

94/303
JAN 09 1009 24.7s 39.21S 175.55E 112km M=3.5
0.3 0.01 0.02 3
Rsd 0.2s 38ph/30stn Dmin 1km Az.gap 54°
Corr. 0.404 27M/23stn Msd 0.1 1↑

94/311
JAN 09 1210 17.1s 43.60S 170.41E 5km M=3.5
0.2 0.02 0.02 R
Rsd 0.1s 15ph/13stn Dmin 37km Az.gap 180°
Corr. -0.867 17M/14stn Msd 0.1 1↑

94/350
JAN 10 1132 08.6s 40.07S 174.13E 113km M=3.6
0.2 0.01 0.01 3
Rsd 0.3s 62ph/51stn Dmin 75km Az.gap 100°
Corr. -0.174 28M/25stn Msd 0.2 13↑ 2↓

94/371
JAN 11 0432 56.2s 37.97S 176.75E 212km M=3.8
0.6 0.04 0.05 5
Rsd 0.2s 15ph/13stn Dmin 133km Az.gap 309°
Corr. -0.204 16M/16stn Msd 0.2

94/379
JAN 11 1124 38.3s 35.78S 177.93E 231km M=3.6
1.5 0.14 0.58 28
Rsd 0.2s 12ph/11stn Dmin 204km Az.gap 324°
Corr. -0.742 3M/3stn Msd 0.2

94/400
JAN 12 0034 51.2s 39.16S 179.04E 33km M=3.7
0.6 0.02 0.06 R
Rsd 0.2s 10ph/7stn Dmin 105km Az.gap 245°
Corr. -0.684 6M/6stn Msd 0.2

94/403
JAN 12 0354 57.3s 44.99S 167.48E 99km M=3.9
0.4 0.02 0.03 4
Rsd 0.2s 19ph/16stn Dmin 59km Az.gap 227°
Corr. -0.326 19M/14stn Msd 0.2 1↑ 10↓

94/404
JAN 12 0411 52.6s 37.15S 176.37E 265km M=3.5
2.8 0.40 0.66 64
Rsd 0.4s 10ph/9stn Dmin 196km Az.gap 280°
Corr. -0.961 7M/7stn Msd 0.1

94/415
JAN 12 0613 59.9s 41.70S 174.28E 9km M=3.7
0.1 0.01 0.01 1
Rsd 0.3s 58ph/47stn Dmin 8km Az.gap 129°
Corr. -0.441 57M/29stn Msd 0.2 10↑ 9↓

94/454
JAN 12 2341 05.8s 35.03S 178.54E 234km M=4.1
1.0 0.16 0.39 19
Rsd 0.2s 13ph/10stn Dmin 286km Az.gap 326°
Corr. -0.852 20M/20stn Msd 0.2

94/456
JAN 12 2357 31.3s 38.14S 175.75E 33km M=3.9
0.6 0.04 0.04 R
Rsd 0.2s 9ph/5stn Dmin 220km Az.gap 264°
Corr. -0.789 2M/2stn Msd 0.1

94/473
JAN 13 0733 20.0s 37.11S 177.43E 148km M=3.7
0.7 0.04 0.05 8
Rsd 0.2s 10ph/9stn Dmin 94km Az.gap 250°
Corr. -0.234 15M/15stn Msd 0.1

94/509
JAN 13 2359 15.9s 38.51S 175.75E 210km M=3.8
0.2 0.01 0.02 2
Rsd 0.1s 25ph/21stn Dmin 75km Az.gap 275°
Corr. -0.293 26M/26stn Msd 0.2 1↓

94/516
JAN 14 0255 38.4s 45.09S 167.54E 112km M=4.4
0.6 0.04 0.04 5
Rsd 0.2s 21ph/16stn Dmin 52km Az.gap 187°
Corr. -0.254 9M/5stn Msd 0.3 3↑ 3↓

94/534
JAN 14 1515 37.3s 37.86S 175.80E 12km M=4.4
0.1 0.01 0.01 R
Rsd 0.1s 24ph/20stn Dmin 18km Az.gap 132°
Corr. -0.081 8M/4stn Msd 0.2 4↑ 1↓
Felt Waikato district, maximum intensity MM5 near Tirau (25).

94/539
JAN 14 1601 30.2s 37.88S 175.82E 5km M=3.3
0.2 0.02 0.01 R
Rsd 0.2s 13ph/10stn Dmin 20km Az.gap 184°
Corr. 0.200 7M/7stn Msd 0.2
Felt from Tirau (25) to Tokoroa (32), MM4.

94/558
JAN 15 1029 44.6s 38.48S 175.82E 196km M=3.5
1.1 0.16 0.25 25
Rsd 0.6s 22ph/16stn Dmin 143km Az.gap 205°
Corr. -0.973 7M/7stn Msd 0.1

94/578
JAN 15 2027 47.3s 45.13S 167.36E 93km M=4.3
0.3 0.01 0.02 2
Rsd 0.1s 17ph/15stn Dmin 40km Az.gap 200°
Corr. -0.342 17M/11stn Msd 0.1 2↑ 3↓

94/579
JAN 15 2112 58.5s 41.67S 174.79E 31km M=3.8
0.1 0.01 0.01 1
Rsd 0.3s 58ph/49stn Dmin 29km Az.gap 141°
Corr. -0.475 52M/27stn Msd 0.3 10↑ 8↓
Felt Wellington (68) MM4.

94/580
JAN 15 2129 16.6s 38.18S 176.17E 189km M=3.8
0.9 0.06 0.08 8
Rsd 0.4s 24ph/19stn Dmin 108km Az.gap 206°
Corr. -0.855 23M/20stn Msd 0.2

94/581
JAN 15 2222 02.5s 39.88S 176.96E 42km M=3.6
0.1 0.01 0.02 2
Rsd 0.1s 29ph/26stn Dmin 17km Az.gap 178°
Corr. -0.633 28M/24stn Msd 0.2

94/582
JAN 15 2307 57.6s 38.47S 175.94E 202km M=3.5
0.4 0.14 0.14 19
Rsd 0.1s 10ph/8stn Dmin 242km Az.gap 339°
Corr. -0.852 4M/4stn Msd 0.2

94/593
JAN 16 0454 13.5s 37.10S 179.82W 33km M=4.4
0.7 0.07 0.08 R
Rsd 0.2s 9ph/6stn Dmin 175km Az.gap 327°
Corr. -0.660 21M/19stn Msd 0.2 1↑

94/605
JAN 16 1110 14.7s 38.44S 175.91E 182km M=3.8
0.3 0.02 0.02 3
Rsd 0.1s 20ph/16stn Dmin 80km Az.gap 200°
Corr. -0.211 27M/27stn Msd 0.2 1↑

94/613
JAN 16 1456 09.5s 38.12S 176.49E 163km M=3.9
0.7 0.03 0.02 6
Rsd 0.2s 17ph/14stn Dmin 83km Az.gap 142°
Corr. -0.054 27M/27stn Msd 0.2 1↑

94/614
JAN 16 1507 53.6s 44.14S 167.54E 33km M=3.9
0.3 0.02 0.02 R
Rsd 0.1s 17ph/14stn Dmin 151km Az.gap 219°
Corr. -0.633 14M/10stn Msd 0.2 1↓

94/618
JAN 16 1630 55.6s 38.46S 175.99E 158km M=3.7
0.5 0.02 0.03 5
Rsd 0.1s 17ph/13stn Dmin 87km Az.gap 159°
Corr. -0.381 29M/26stn Msd 0.3 1↑

94/620
JAN 16 1651 46.9s 41.26S 172.88E 138km M=3.6
0.2 0.01 0.02 2
Rsd 0.3s 73ph/51stn Dmin 1km Az.gap 58°
Corr. 0.090 13M/7stn Msd 0.2 2↑

94/623
JAN 16 2117 11.8s 38.64S 176.02E 104km M=3.9
0.5 0.01 0.02 5
Rsd 0.3s 31ph/24stn Dmin 36km Az.gap 58°
Corr. -0.125 31M/25stn Msd 0.2 1↑

94/630
JAN 17 0053 28.9s 39.11S 174.90E 191km M=4.3
0.4 0.01 0.02 3
Rsd 0.2s 43ph/35stn Dmin 43km Az.gap 90°
Corr. 0.090 26M/13stn Msd 0.1 14↑ 4↓

94/650
JAN 17 1205 32.5s 37.86S 176.55E 170km M=3.8
1.0 0.04 0.05 10
Rsd 0.4s 14ph/12stn Dmin 84km Az.gap 171°
Corr. -0.523 22M/21stn Msd 0.2 2↑ 1↓

94/658
JAN 17 1522 51.8s 39.43S 175.91E 53km M=4.2
0.2 0.01 0.01 5
Rsd 0.3s 35ph/33stn Dmin 41km Az.gap 35°
Corr. -0.117 25M/13stn Msd 0.2 9↑ 7↓
Felt Waiouru (50).

94/663
JAN 17 2134 23.5s 35.61S 178.62E 233km M=4.8
7.4 0.36 0.27 44
Rsd 0.2s 13ph/13stn Dmin 223km Az.gap 273°
Corr. 0.945 33M/29stn Msd 0.3

94/666
JAN 17 2310 21.2s 38.86S 175.82E 185km M=3.6
0.3 0.03 0.03 3
Rsd 0.1s 18ph/16stn Dmin 165km Az.gap 310°
Corr. -0.350 11M/11stn Msd 0.3 1↑

94/677
JAN 18 0934 24.9s 37.98S 176.22E 199km M=4.4
0.4 0.02 0.02 3
Rsd 0.2s 19ph/15stn Dmin 56km Az.gap 96°
Corr. 0.036 11M/6stn Msd 0.2 3↑ 2↓

94/691
JAN 19 0123 32.5s 37.56S 176.07E 33km M=4.2
0.8 0.06 0.05 R
Rsd 0.3s 5ph/3stn Dmin 197km Az.gap 279°
Corr. -0.813 2M/2stn Msd 0.7

94/694
JAN 19 0325 41.1s 40.32S 173.49E 173km M=3.9
0.2 0.01 0.01 2
Rsd 0.2s 68ph/50stn Dmin 65km Az.gap 127°
Corr. -0.154 8M/5stn Msd 0.2 4↑ 1↓

94/704
JAN 19 1403 43.4s 36.72S 176.57E 227km M=3.8
1.7 0.13 0.23 30
Rsd 0.3s 7ph/6stn Dmin 182km Az.gap 291°
Corr. -0.770 5M/5stn Msd 0.3

94/713
JAN 19 1656 05.6s 40.20S 173.52E 164km M=3.9
0.2 0.01 0.01 2
Rsd 0.2s 61ph/52stn Dmin 75km Az.gap 136°
Corr. -0.212 21M/11stn Msd 0.2 15↑ 1↓

94/734
JAN 20 0318 17.4s 35.05S 178.67E 33km M=4.3
0.8 0.06 0.08 R
Rsd 0.2s 8ph/7stn Dmin 285km Az.gap 336°
Corr. -0.754 11M/11stn Msd 0.3

94/736
JAN 20 0419 58.1s 38.50S 176.12E 200km M=3.6
0.2 0.03 0.03 4
Rsd 0.1s 21ph/19stn Dmin 235km Az.gap 323°
Corr. -0.523 12M/12stn Msd 0.3 1↑

94/738
JAN 20 0459 00.1s 45.13S 167.47E 122km M=4.8
0.5 0.03 0.03 4
Rsd 0.2s 20ph/15stn Dmin 45km Az.gap 189°
Corr. -0.258 12M/7stn Msd 0.3 5↑ 1↓

94/740
JAN 20 0534 58.3s 38.89S 176.01E 82km M=4.7
0.2 0.01 0.01 2
Rsd 0.2s 39ph/33stn Dmin 39km Az.gap 50°
Corr. -0.203 34M/17stn Msd 0.2 6↑ 7↓

94/746
JAN 20 0836 21.8s 37.26S 177.85E 50km M=3.5
0.5 0.04 0.03 5
Rsd 0.3s 14ph/12stn Dmin 55km Az.gap 208°
Corr. 0.311 3M/3stn Msd 0.1 1↓

94/751
JAN 20 1220 14.2s 36.35S 178.63E 131km M=3.6
1.6 0.09 0.15 12
Rsd 0.4s 6ph/4stn Dmin 142km Az.gap 293°
Corr. 0.711 2M/2stn Msd 0.2

94/758
JAN 20 1341 30.0s 39.09S 177.00E 49km M=3.7
0.1 0.01 0.01 3
Rsd 0.3s 34ph/29stn Dmin 23km Az.gap 91°
Corr. -0.202 17M/13stn Msd 0.2

94/770
JAN 20 1855 09.8s 36.96S 177.59E 249km M=4.0
2.3 0.09 0.05 17
Rsd 0.1s 16ph/15stn Dmin 188km Az.gap 294°
Corr. 0.801 26M/26stn Msd 0.1

94/777
JAN 21 0109 43.2s 39.18S 174.86E 218km M=4.1
0.4 0.02 0.02 3
Rsd 0.2s 45ph/38stn Dmin 48km Az.gap 88°
Corr. 0.130 15M/8stn Msd 0.2 14↑ 1↓

94/782
JAN 21 0453 16.3s 36.94S 177.78E 103km M=3.9
0.4 0.03 0.03 3
Rsd 0.1s 11ph/9stn Dmin 86km Az.gap 231°
Corr. 0.855 14M/14stn Msd 0.3

94/817
JAN 22 0039 50.0s 37.15S 175.80E 33km M=4.2
1.5 0.10 0.09 R
Rsd 0.5s 7ph/4stn Dmin 227km Az.gap 279°
Corr. -0.703 5M/5stn Msd 0.2

94/843
JAN 22 1643 12.9s 45.07S 167.50E 110km M=3.6
0.3 0.02 0.02 3
Rsd 0.2s 20ph/15stn Dmin 52km Az.gap 222°
Corr. -0.395 15M/14stn Msd 0.2 4↑ 2↓

94/844
JAN 22 1643 20.8s 36.31S 177.29E 5km M=4.1
1.2 0.09 0.05 R
Rsd 0.6s 8ph/5stn Dmin 135km Az.gap 257°
Corr. 0.512 4M/4stn Msd 0.4

94/845
JAN 22 1700 23.0s 36.24S 177.25E 5km M=4.1
2.0 0.16 0.08 R
Rsd 0.8s 7ph/5stn Dmin 143km Az.gap 261°
Corr. 0.578 6M/4stn Msd 0.3

94/898
JAN 24 0005 43.0s 44.77S 167.35E 27km M=3.9
0.2 0.02 0.06 6
Rsd 0.1s 19ph/16stn Dmin 80km Az.gap 213°
Corr. -0.926 8M/4stn Msd 0.3 3↑ 10↓

94/916
JAN 24 1006 05.2s 38.45S 175.89E 229km M=3.9
0.5 0.04 0.06 6
Rsd 0.3s 26ph/22stn Dmin 85km Az.gap 211°
Corr. -0.848 19M/15stn Msd 0.1 1↓

94/924
JAN 24 1415 17.2s 36.31S 175.96E 33km M=4.4
0.9 0.06 0.05 R
Rsd 0.2s 4ph/4stn Dmin 316km Az.gap 320°
Corr. -0.426 2M/2stn Msd 0.0

94/930
JAN 24 1627 11.1s 37.98S 176.22E 230km M=3.7
0.3 0.09 0.08 11
Rsd 0.1s 13ph/11stn Dmin 259km Az.gap 332°
Corr. -0.777 2M/2stn Msd 0.1

94/931
JAN 24 1835 55.7s 38.12S 176.22E 5km M=2.7
0.1 0.00 0.00 R
Rsd 0.1s 8ph/6stn Dmin 7km Az.gap 113°
Corr. -0.178 4M/4stn Msd 0.1 1↑
Felt Rotorua (33) MM3.

94/956
JAN 25 0420 44.1s 45.42S 166.70E 12km M=4.1
0.1 0.01 0.01 R
Rsd 0.1s 17ph/14stn Dmin 36km Az.gap 290°
Corr. 0.324 24M/18stn Msd 0.2 1↓

94/968
JAN 25 1348 09.9s 39.30S 174.97E 25km M=3.6
0.0 0.01 0.00 1
Rsd 0.2s 39ph/33stn Dmin 46km Az.gap 72°
Corr. 0.026 14M/8stn Msd 0.1 4↑ 3↓

94/978
JAN 25 1920 37.2s 37.45S 176.74E 137km M=3.6
0.2 0.01 0.02 4
Rsd 0.0s 16ph/12stn Dmin 139km Az.gap 234°
Corr. -0.797 5M/5stn Msd 0.2

94/1057
JAN 27 2106 31.5s 40.54S 173.21E 237km M=4.5
0.2 0.01 0.01 1
Rsd 0.2s 73ph/59stn Dmin 39km Az.gap 111°
Corr. -0.156 33M/17stn Msd 0.3 25↑ 3↓

94/1090
JAN 28 1707 06.1s 36.78S 176.41E 33km M=4.1
0.2 0.02 0.01 R
Rsd 0.1s 6ph/4stn Dmin 218km Az.gap 302°
Corr. -0.246 2M/2stn Msd 0.1

94/1104
JAN 28 2248 38.5s 38.11S 176.29E 169km M=3.5
3.8 0.14 0.03 29
Rsd 0.2s 11ph/11stn Dmin 106km Az.gap 278°
Corr. -0.379 11M/11stn Msd 0.2 1↑

94/1120
JAN 29 0935 01.3s 38.94S 175.09E 231km M=3.5
0.4 0.01 0.04 3
Rsd 0.1s 27ph/20stn Dmin 39km Az.gap 234°
Corr. 0.144 18M/18stn Msd 0.2 1↓

94/1128
JAN 29 1520 48.4s 37.73S 178.18E 120km M=3.7
1.4 0.05 0.12 12
Rsd 0.4s 9ph/7stn Dmin 18km Az.gap 162°
Corr. -0.151 2M/2stn Msd 0.1

94/1139
JAN 29 2045 32.9s 36.38S 176.72E 33km M=4.2
0.7 0.04 0.03 R
Rsd 0.2s 6ph/6stn Dmin 232km Az.gap 303°
Corr. 0.012 1M/1stn Msd N.D.

94/1162
JAN 30 0933 02.7s 37.34S 176.80E 240km M=3.8
0.7 0.06 0.08 8
Rsd 0.2s 19ph/16stn Dmin 152km Az.gap 261°
Corr. -0.758 18M/18stn Msd 0.1 1↑ 1↓

94/1201
JAN 30 1248 22.4s 37.44S 176.66E 217km M=3.6
1.3 0.11 0.17 16
Rsd 0.4s 12ph/9stn Dmin 158km Az.gap 270°
Corr. -0.801 10M/10stn Msd 0.2

94/1213
JAN 30 1553 22.9s 36.58S 176.54E 123km M=3.5
0.2 0.06 0.10 23
Rsd 0.1s 7ph/5stn Dmin 225km Az.gap 307°
Corr. -0.936 1M/1stn Msd 0.0

94/1251
JAN 31 0629 01.0s 36.73S 177.57E 12km M=3.7
1.6 0.12 0.07 R
Rsd 0.5s 6ph/5stn Dmin 95km Az.gap 237°
Corr. 0.719 3M/3stn Msd 0.2 1↑

94/1253
JAN 31 0828 22.5s 39.76S 174.20E 142km M=3.8
0.2 0.01 0.01 3
Rsd 0.2s 56ph/47stn Dmin 52km Az.gap 97°
Corr. -0.479 31M/26stn Msd 0.2 5↑ 2↓

94/1288
JAN 31 2237 44.9s 36.81S 177.55E 12km M=3.7
1.3 0.11 0.08 R
Rsd 0.4s 5ph/4stn Dmin 110km Az.gap 231°
Corr. 0.859 5M/3stn Msd 0.3

94/1293
FEB 01 0012 31.8s 44.35S 167.31E 12km M=3.7
0.4 0.02 0.03 R
Rsd 0.2s 18ph/14stn Dmin 125km Az.gap 272°
Corr. -0.764 17M/15stn Msd 0.2

94/1301
FEB 01 0450 35.5s 37.03S 177.37E 214km M=4.0
1.5 0.15 0.17 11
Rsd 0.6s 7ph/5stn Dmin 139km Az.gap 297°
Corr. -0.708 3M/3stn Msd 0.4

94/1304
FEB 01 0606 08.9s 37.29S 176.60E 205km M=3.6
0.4 0.03 0.05 3
Rsd 0.1s 10ph/8stn Dmin 117km Az.gap 255°
Corr. -0.787 13M/13stn Msd 0.2

94/1320
FEB 01 1153 53.7s 38.11S 175.75E 126km M=3.5
0.6 0.04 0.09 11
Rsd 0.3s 23ph/19stn Dmin 121km Az.gap 247°
Corr. -0.724 12M/12stn Msd 0.3

94/1326
FEB 01 1654 20.9s 41.25S 172.74E 171km M=3.7
0.2 0.01 0.02 2
Rsd 0.2s 63ph/50stn Dmin 7km Az.gap 146°
Corr. 0.002 30M/25stn Msd 0.2 2↑

94/1329
FEB 01 1728 03.8s 37.50S 176.45E 226km M=3.5
0.7 0.07 0.07 5
Rsd 0.2s 13ph/10stn Dmin 103km Az.gap 266°
Corr. -0.635 9M/9stn Msd 0.2

94/1331
FEB 01 1850 59.4s 38.13S 176.25E 5km M=3.1
0.1 0.01 0.01 R
Rsd 0.2s 10ph/7stn Dmin 7km Az.gap 105°
Corr. -0.073 5M/5stn Msd 0.1
Felt Rotorua (33) MM4.

94/1342
FEB 01 2127 29.1s 36.95S 175.81E 33km M=4.3
0.9 0.07 0.04 R
Rsd 0.3s 10ph/8stn Dmin 250km Az.gap 283°
Corr. -0.539 4M/4stn Msd 0.3

94/1344
FEB 01 2252 34.8s 36.79S 176.42E 349km M=3.9
0.7 0.07 0.10 5
Rsd 0.2s 14ph/12stn Dmin 174km Az.gap 263°
Corr. -0.815 20M/20stn Msd 0.3 1↓

94/1363
FEB 02 0814 02.0s 38.67S 175.78E 142km M=3.7
0.4 0.02 0.02 4
Rsd 0.2s 25ph/20stn Dmin 42km Az.gap 79°
Corr. 0.089 30M/28stn Msd 0.3 1↑

94/1366
FEB 02 1317 37.8s 37.15S 177.34E 12km M=3.8
0.4 0.03 0.03 R
Rsd 0.3s 10ph/8stn Dmin 45km Az.gap 215°
Corr. 0.628 9M/7stn Msd 0.2

94/1386
FEB 02 2300 50.4s 45.42S 166.60E 12km M=4.3
0.1 0.01 0.01 R
Rsd 0.0s 16ph/13stn Dmin 44km Az.gap 288°
Corr. 0.266 8M/4stn Msd 0.1 1↑ 5↓

94/1431
FEB 03 1713 49.4s 41.09S 174.21E 53km M=3.6
0.1 0.01 0.01 1
Rsd 0.2s 63ph/52stn Dmin 7km Az.gap 39°
Corr. -0.182 30M/16stn Msd 0.2 1↑ 3↓

94/1433
FEB 03 1745 42.5s 37.99S 176.06E 140km M=3.5
0.9 0.06 0.13 8
Rsd 0.3s 12ph/9stn Dmin 97km Az.gap 264°
Corr. -0.759 11M/11stn Msd 0.2 1↑

94/1442
FEB 03 2238 56.9s 40.49S 173.64E 142km M=3.8
0.2 0.01 0.01 2
Rsd 0.2s 92ph/61stn Dmin 42km Az.gap 103°
Corr. -0.150 22M/12stn Msd 0.1 16↑ 8↓

94/1454
FEB 04 0552 33.1s 38.36S 176.26E 178km M=3.8
0.5 0.04 0.07 8
Rsd 0.3s 31ph/25stn Dmin 198km Az.gap 200°
Corr. -0.861 17M/17stn Msd 0.3 2↑ 1↓

94/1468
FEB 04 1330 14.7s 34.83S 178.38E 165km M=3.9
0.7 0.11 0.30 25
Rsd 0.2s 12ph/9stn Dmin 307km Az.gap 327°
Corr. -0.938 6M/6stn Msd 0.2

94/1485
FEB 04 2334 32.1s 36.97S 177.01E 233km M=4.6
0.5 0.04 0.04 3
Rsd 0.1s 13ph/10stn Dmin 117km Az.gap 181°
Corr. 0.725 22M/11stn Msd 0.1 1↑

94/1498
FEB 05 0216 11.7s 37.67S 177.26E 113km M=3.6
0.2 0.01 0.02 2
Rsd 0.1s 11ph/9stn Dmin 67km Az.gap 230°
Corr. -0.634 17M/16stn Msd 0.1 1↑

94/1503
FEB 05 0458 49.3s 38.92S 175.18E 208km M=4.0
0.4 0.02 0.02 3
Rsd 0.2s 37ph/30stn Dmin 23km Az.gap 99°
Corr. 0.300 8M/5stn Msd 0.1 10↑ 2↓

94/1506
FEB 05 0802 43.6s 41.65S 176.02E 32km M=4.2
0.3 0.02 0.02 1
Rsd 0.2s 43ph/41stn Dmin 44km Az.gap 205°
Corr. -0.684 54M/27stn Msd 0.2 4↑ 3↓

94/1513
FEB 05 1106 23.5s 38.28S 177.53E 53km M=4.6
0.1 0.01 0.01 2
Rsd 0.2s 35ph/28stn Dmin 37km Az.gap 62°
Corr. 0.233 28M/16stn Msd 0.4 14↑ 12↓

94/1524
FEB 05 1516 33.2s 40.18S 174.87E 28km M=3.7
0.2 0.01 0.01 3
Rsd 0.3s 60ph/54stn Dmin 43km Az.gap 61°
Corr. 0.001 34M/19stn Msd 0.2 7↑ 1↓
Felt Wanganui (57) MM4.

94/1525
FEB 05 1520 42.1s 38.40S 175.88E 184km M=3.7
0.9 0.04 0.03 7
Rsd 0.2s 16ph/14stn Dmin 73km Az.gap 179°
Corr. -0.068 24M/24stn Msd 0.2 1↑

94/1532
FEB 05 1751 01.5s 44.57S 167.15E 12km M=3.5
0.3 0.01 0.02 R
Rsd 0.1s 15ph/12stn Dmin 100km Az.gap 270°
Corr. -0.708 13M/13stn Msd 0.2

94/1548
FEB 06 0210 55.1s 45.83S 166.98E 67km M=3.9
0.2 0.01 0.02 2
Rsd 0.1s 18ph/14stn Dmin 42km Az.gap 236°
Corr. 0.329 26M/21stn Msd 0.2 2↑ 2↓

94/1556
FEB 06 0738 32.7s 38.14S 176.07E 199km M=4.2
0.9 0.03 0.03 7
Rsd 0.3s 31ph/27stn Dmin 32km Az.gap 115°
Corr. -0.191 8M/4stn Msd 0.1 15↑ 4↓

94/1568
FEB 06 1617 37.0s 38.24S 176.01E 158km M=3.6
0.5 0.03 0.05 5
Rsd 0.3s 17ph/12stn Dmin 96km Az.gap 210°
Corr. -0.746 19M/19stn Msd 0.2 3↑ 1↓

94/1594
FEB 07 0501 25.1s 38.64S 175.71E 174km M=3.6
0.2 0.02 0.02 2
Rsd 0.1s 22ph/17stn Dmin 42km Az.gap 208°
Corr. 0.224 27M/27stn Msd 0.2 2↑ 1↓

94/1600
FEB 07 0913 28.0s 39.48S 174.45E 201km M=4.1
0.4 0.01 0.02 4
Rsd 0.3s 70ph/57stn Dmin 34km Az.gap 67°
Corr. -0.272 27M/14stn Msd 0.2 26↑ 1↓

94/1611
FEB 07 1235 01.9s 37.57S 176.54E 187km M=3.9
0.3 0.03 0.02 2
Rsd 0.1s 15ph/13stn Dmin 89km Az.gap 204°
Corr. 0.251 25M/23stn Msd 0.2 1↑

94/1644
FEB 07 1752 14.2s 37.70S 176.42E 168km M=3.9
0.3 0.01 0.01 3
Rsd 0.2s 18ph/16stn Dmin 75km Az.gap 118°
Corr. -0.054 25M/23stn Msd 0.2

94/1648
FEB 07 1836 03.9s 38.64S 178.83E 33km M=3.6
0.2 0.01 0.01 R
Rsd 0.1s 6ph/4stn Dmin 69km Az.gap 294°
Corr. -0.645 2M/2stn Msd 0.2 1↑

94/1676
FEB 08 0456 56.7s 37.86S 175.68E 240km M=3.6
1.1 0.09 0.13 9
Rsd 0.4s 17ph/15stn Dmin 133km Az.gap 234°
Corr. -0.861 11M/11stn Msd 0.2

94/1691
FEB 08 1011 23.8s 42.04S 172.83E 76km M=3.6
0.1 0.00 0.01 1
Rsd 0.2s 60ph/48stn Dmin 10km Az.gap 114°
Corr. 0.238 26M/14stn Msd 0.2 11↑ 12↓

94/1714
FEB 08 2102 27.7s 41.20S 172.55E 5km M=3.7
0.2 0.01 0.02 R
Rsd 0.4s 55ph/41stn Dmin 19km Az.gap 142°
Corr. 0.041 56M/29stn Msd 0.2 1↓

94/1731
FEB 08 2334 50.9s 40.27S 174.02E 118km M=5.4
0.2 0.01 0.01 2
Rsd 0.2s 84ph/64stn Dmin 60km Az.gap 100°
Corr. -0.327 36M/18stn Msd 0.2 19↑ 19↓
Felt Wanganui (57) to Christchurch (110), maximum intensity MM4.

94/1747
FEB 09 0345 22.5s 37.82S 176.90E 295km M=3.6
0.4 0.03 0.07 3
Rsd 0.1s 13ph/11stn Dmin 52km Az.gap 297°
Corr. -0.761 16M/16stn Msd 0.3 2↑ 2↓

94/1772
FEB 09 1400 49.8s 40.13S 173.67E 161km M=3.5
0.2 0.01 0.01 2
Rsd 0.2s 72ph/48stn Dmin 78km Az.gap 131°
Corr. -0.213 20M/19stn Msd 0.3 5↑ 2↓

94/1786
FEB 09 1903 42.0s 36.86S 177.83E 125km M=4.7
0.3 0.02 0.02 4
Rsd 0.1s 18ph/15stn Dmin 140km Az.gap 251°
Corr. 0.606 12M/6stn Msd 0.2 1↑ 4↓

94/1792
FEB 09 2017 47.4s 36.85S 177.16E 247km M=3.6
0.9 0.06 0.08 9
Rsd 0.3s 10ph/8stn Dmin 131km Az.gap 199°
Corr. 0.296 7M/7stn Msd 0.1

94/1812
FEB 10 0253 17.2s 47.69S 165.52E 33km M=4.0
0.4 0.03 0.03 R
Rsd 0.2s 17ph/13stn Dmin 218km Az.gap 321°
Corr. 0.052 16M/15stn Msd 0.4

94/1879
FEB 11 0702 09.9s 37.70S 176.33E 195km M=3.6
0.5 0.05 0.04 6
Rsd 0.2s 13ph/10stn Dmin 143km Az.gap 242°
Corr. -0.799 14M/13stn Msd 0.2 1↑

94/1884
FEB 11 0907 40.6s 42.48S 173.65E 14km M=4.5
0.1 0.01 0.01 1
Rsd 0.3s 78ph/51stn Dmin 12km Az.gap 156°
Corr. -0.505 62M/32stn Msd 0.3 11↑ 13↓
Felt Kaikoura (90) and Cheviot (96).

94/1897
FEB 11 1323 49.6s 38.70S 175.84E 141km M=3.7
0.2 0.01 0.02 2
Rsd 0.2s 26ph/20stn Dmin 43km Az.gap 86°
Corr. 0.172 28M/28stn Msd 0.3 1↑ 1↓

94/1911
FEB 11 1909 29.5s 37.87S 176.22E 236km M=3.7
0.9 0.09 0.05 9
Rsd 0.2s 13ph/11stn Dmin 132km Az.gap 238°
Corr. -0.119 16M/16stn Msd 0.2

94/1924
FEB 12 0559 53.4s 45.04S 167.52E 82km M=3.6
0.3 0.02 0.02 3
Rsd 0.1s 21ph/16stn Dmin 55km Az.gap 223°
Corr. -0.410 20M/17stn Msd 0.2

94/1929
FEB 12 0915 31.6s 37.85S 176.27E 313km M=3.5
0.3 0.07 0.13 5
Rsd 0.1s 12ph/11stn Dmin 131km Az.gap 290°
Corr. -0.963 8M/8stn Msd 0.1

94/1932
FEB 12 1201 49.1s 45.22S 167.07E 12km M=4.1
0.5 0.01 0.04 R
Rsd 0.2s 16ph/14stn Dmin 28km Az.gap 238°
Corr. -0.319 8M/4stn Msd 0.2 1↑ 3↓

94/1991
FEB 14 0532 55.6s 38.19S 176.24E 164km M=3.7
0.3 0.01 0.01 3
Rsd 0.1s 18ph/14stn Dmin 67km Az.gap 87°
Corr. 0.387 23M/23stn Msd 0.2 2↑ 2↓

94/1992
FEB 14 0606 44.3s 37.35S 176.78E 234km M=3.9
0.6 0.03 0.03 5
Rsd 0.2s 20ph/16stn Dmin 137km Az.gap 229°
Corr. -0.464 19M/19stn Msd 0.2

94/1999
FEB 14 0814 39.1s 41.28S 172.62E 196km M=3.6
0.2 0.01 0.02 2
Rsd 0.3s 69ph/49stn Dmin 16km Az.gap 134°
Corr. 0.078 24M/23stn Msd 0.2 2↑

94/2000
FEB 14 0923 02.5s 38.78S 175.67E 148km M=3.6
0.3 0.01 0.03 3
Rsd 0.1s 21ph/17stn Dmin 27km Az.gap 132°
Corr. 0.139 27M/23stn Msd 0.2 4↑ 1↓

94/2015
FEB 14 1645 20.0s 38.02S 176.92E 83km M=3.6
0.2 0.01 0.01 2
Rsd 0.1s 19ph/17stn Dmin 19km Az.gap 151°
Corr. -0.170 17M/17stn Msd 0.2 1↓

94/2044
FEB 15 1418 40.1s 38.35S 175.98E 176km M=3.7
1.0 0.06 0.05 8
Rsd 0.3s 12ph/11stn Dmin 82km Az.gap 207°
Corr. -0.426 28M/26stn Msd 0.2 1↑

94/2073
FEB 16 0456 49.1s 38.48S 176.16E 138km M=3.7
0.7 0.03 0.03 6
Rsd 0.2s 13ph/11stn Dmin 79km Az.gap 211°
Corr. -0.211 23M/22stn Msd 0.2 1↑

94/2082
FEB 16 0742 03.2s 38.36S 177.21E 43km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 18ph/16stn Dmin 14km Az.gap 162°
Corr. -0.247 4M/2stn Msd 0.3

94/2091
FEB 16 0858 40.6s 37.19S 177.50E 180km M=3.5
0.3 0.03 0.03 3
Rsd 0.1s 10ph/6stn Dmin 85km Az.gap 272°
Corr. -0.633 5M/5stn Msd 0.1 1↓

94/2110
FEB 16 1353 37.7s 37.23S 177.25E 149km M=4.1
0.4 0.02 0.02 3
Rsd 0.2s 23ph/18stn Dmin 98km Az.gap 183°
Corr. 0.515 31M/26stn Msd 0.3

94/2125
FEB 16 1951 33.7s 36.76S 177.15E 12km M=4.1
0.6 0.05 0.03 R
Rsd 0.4s 11ph/8stn Dmin 128km Az.gap 204°
Corr. 0.673 13M/9stn Msd 0.3

94/2126
FEB 16 2134 24.1s 36.70S 177.18E 12km M=4.3
0.6 0.06 0.04 R
Rsd 0.5s 10ph/6stn Dmin 131km Az.gap 207°
Corr. 0.633 14M/9stn Msd 0.4

94/2127
FEB 16 2137 22.3s 36.66S 177.09E 12km M=3.8
1.0 0.07 0.03 R
Rsd 0.3s 7ph/5stn Dmin 150km Az.gap 271°
Corr. 0.314 3M/2stn Msd 0.4

94/2128
FEB 16 2142 34.9s 36.78S 177.17E 12km M=4.1
0.4 0.03 0.02 R
Rsd 0.3s 11ph/7stn Dmin 130km Az.gap 221°
Corr. 0.533 12M/9stn Msd 0.5

94/2129
FEB 16 2143 52.0s 36.74S 177.19E 12km M=4.7
0.4 0.03 0.02 R
Rsd 0.3s 14ph/10stn Dmin 131km Az.gap 206°
Corr. 0.628 8M/4stn Msd 0.3

94/2138
FEB 16 2334 50.6s 36.75S 177.18E 12km M=4.2
0.5 0.04 0.03 R
Rsd 0.4s 10ph/6stn Dmin 130km Az.gap 225°
Corr. 0.599 8M/4stn Msd 0.3

94/2143
FEB 17 0111 14.2s 36.73S 177.19E 12km M=3.7
0.4 0.04 0.02 R
Rsd 0.3s 7ph/5stn Dmin 131km Az.gap 225°
Corr. 0.713 4M/2stn Msd 0.2

94/2147
FEB 17 0216 51.7s 36.77S 177.19E 12km M=3.8
0.5 0.04 0.03 R
Rsd 0.4s 7ph/5stn Dmin 132km Az.gap 222°
Corr. 0.622 5M/4stn Msd 0.1

94/2161
FEB 17 1043 11.2s 37.14S 177.63E 78km M=4.0
0.9 0.03 0.04 15
Rsd 0.2s 16ph/14stn Dmin 78km Az.gap 207°
Corr. -0.008 27M/24stn Msd 0.2 1↓

94/2188
FEB 17 2007 05.1s 46.26S 166.36E 12km M=4.1
1.1 0.03 0.12 R
Rsd 0.4s 16ph/15stn Dmin 107km Az.gap 278°
Corr. -0.093 32M/28stn Msd 0.2 1↑ 2↓

94/2193
FEB 17 2146 51.1s 39.73S 174.04E 193km M=4.4
0.4 0.01 0.02 3
Rsd 0.3s 73ph/57stn Dmin 38km Az.gap 116°
Corr. -0.383 29M/15stn Msd 0.2 14↑ 5↓

94/2198
FEB 18 0053 08.5s 39.04S 176.23E 85km M=4.0
0.3 0.01 0.01 3
Rsd 0.3s 44ph/37stn Dmin 21km Az.gap 39°
Corr. -0.318 10M/6stn Msd 0.1 4↑ 3↓

94/2203
FEB 18 0525 21.7s 38.11S 176.11E 166km M=3.7
0.6 0.04 0.03 5
Rsd 0.3s 13ph/12stn Dmin 89km Az.gap 185°
Corr. -0.292 24M/21stn Msd 0.2 1↑

94/2211
FEB 18 1042 03.3s 44.98S 167.49E 107km M=3.7
0.3 0.02 0.02 3
Rsd 0.2s 18ph/14stn Dmin 60km Az.gap 206°
Corr. -0.374 14M/14stn Msd 0.2 1↓

94/2225
FEB 18 1336 30.3s 42.47S 173.64E 18km M=4.1
0.2 0.01 0.01 1
Rsd 0.3s 67ph/48stn Dmin 20km Az.gap 155°
Corr. -0.521 52M/27stn Msd 0.2 9↑ 10↓
Felt Kaikoura (90).

94/2230
FEB 18 1623 12.5s 38.35S 176.13E 153km M=3.6
0.5 0.02 0.02 4
Rsd 0.1s 11ph/9stn Dmin 88km Az.gap 226°
Corr. 0.143 14M/14stn Msd 0.2 1↑

94/2238
FEB 18 1954 17.0s 40.38S 176.95E 9km M=4.0
0.5 0.01 0.02 3
Rsd 0.2s 36ph/31stn Dmin 45km Az.gap 199°
Corr. -0.625 21M/12stn Msd 0.2 2↑ 1↓

94/2240
FEB 18 2054 41.5s 37.22S 177.50E 139km M=3.9
0.5 0.03 0.02 4
Rsd 0.2s 14ph/12stn Dmin 83km Az.gap 235°
Corr. -0.032 21M/19stn Msd 0.1 1↓

94/2252
FEB 19 0407 44.2s 41.35S 175.74E 25km M=3.7
0.1 0.01 0.01 1
Rsd 0.2s 46ph/38stn Dmin 5km Az.gap 202°
Corr. -0.591 26M/15stn Msd 0.2 4↑ 5↓

94/2258
FEB 19 0643 39.2s 36.75S 177.13E 12km M=4.9
0.5 0.05 0.03 R
Rsd 0.3s 15ph/12stn Dmin 126km Az.gap 204°
Corr. 0.727 8M/4stn Msd 0.2

94/2259
FEB 19 0648 48.6s 36.83S 177.29E 211km M=4.1
0.5 0.03 0.03 4
Rsd 0.2s 14ph/12stn Dmin 124km Az.gap 221°
Corr. 0.541 23M/20stn Msd 0.3 1↑

94/2261
FEB 19 0737 45.3s 39.34S 175.41E 104km M=3.8
0.2 0.01 0.01 2
Rsd 0.2s 53ph/40stn Dmin 15km Az.gap 53°
Corr. 0.252 35M/31stn Msd 0.3 13↑ 7↓

94/2275
FEB 19 1155 22.2s 36.71S 177.21E 12km M=4.1
0.6 0.04 0.03 R
Rsd 0.4s 8ph/5stn Dmin 134km Az.gap 228°
Corr. 0.610 7M/3stn Msd 0.2

94/2276
FEB 19 1157 48.9s 36.75S 177.21E 12km M=3.6
0.3 0.03 0.02 R
Rsd 0.2s 8ph/4stn Dmin 133km Az.gap 225°
Corr. 0.660 4M/3stn Msd 0.2

94/2277
FEB 19 1217 17.2s 36.77S 177.18E 12km M=4.3
0.6 0.04 0.03 R
Rsd 0.4s 9ph/7stn Dmin 130km Az.gap 222°
Corr. 0.624 15M/11stn Msd 0.2

94/2278
FEB 19 1242 29.0s 36.74S 177.20E 12km M=4.0
0.3 0.02 0.02 R
Rsd 0.2s 9ph/6stn Dmin 133km Az.gap 226°
Corr. 0.570 11M/7stn Msd 0.2

94/2285
FEB 19 1513 43.8s 36.76S 177.20E 12km M=4.1
0.5 0.04 0.03 R
Rsd 0.3s 8ph/5stn Dmin 133km Az.gap 224°
Corr. 0.551 9M/5stn Msd 0.2

94/2288
FEB 19 1544 43.5s 36.77S 177.17E 12km M=4.2
0.5 0.04 0.03 R
Rsd 0.4s 9ph/7stn Dmin 129km Az.gap 222°
Corr. 0.556 12M/8stn Msd 0.2

94/2289
FEB 19 1625 53.0s 37.15S 177.38E 184km M=3.6
0.4 0.04 0.05 4
Rsd 0.2s 11ph/6stn Dmin 96km Az.gap 279°
Corr. -0.617 2M/2stn Msd 0.0 1↓

94/2290
FEB 19 1630 09.4s 36.79S 177.18E 5km M=3.9
0.6 0.05 0.03 R
Rsd 0.5s 9ph/6stn Dmin 130km Az.gap 220°
Corr. 0.633 6M/3stn Msd 0.1

94/2306
FEB 19 2342 10.8s 36.75S 177.22E 22km M=4.1
0.5 0.03 0.02 4
Rsd 0.3s 9ph/5stn Dmin 134km Az.gap 226°
Corr. 0.454 8M/4stn Msd 0.3

94/2310
FEB 20 0154 05.7s 36.73S 177.21E 12km M=3.8
0.7 0.06 0.04 R
Rsd 0.4s 7ph/4stn Dmin 133km Az.gap 226°
Corr. 0.758 5M/3stn Msd 0.2

94/2315
FEB 20 0241 41.2s 37.52S 178.18E 75km M=3.5
0.2 0.01 0.01 2
Rsd 0.1s 12ph/8stn Dmin 14km Az.gap 197°
Corr. -0.023 6M/6stn Msd 0.2 1↑ 1↓

94/2322
FEB 20 0354 40.3s 37.29S 177.57E 137km M=3.6
0.3 0.01 0.02 3
Rsd 0.1s 11ph/7stn Dmin 73km Az.gap 188°
Corr. 0.062 8M/7stn Msd 0.3

94/2326
FEB 20 0446 59.1s 39.68S 174.17E 190km M=3.9
0.6 0.02 0.02 6
Rsd 0.2s 42ph/38stn Dmin 126km Az.gap 191°
Corr. -0.448 25M/21stn Msd 0.3 7↑ 1↓

94/2345
FEB 20 1259 08.0s 37.06S 177.12E 224km M=3.6
0.3 0.04 0.05 3
Rsd 0.1s 14ph/11stn Dmin 134km Az.gap 290°
Corr. -0.816 6M/6stn Msd 0.2

94/2355
FEB 20 2310 57.4s 39.07S 178.69E 12km M=3.6
0.3 0.01 0.03 R
Rsd 0.1s 10ph/8stn Dmin 116km Az.gap 234°
Corr. -0.430 19M/18stn Msd 0.1

94/2360
FEB 21 0138 03.4s 38.52S 177.79E 45km M=4.3
0.2 0.01 0.01 4
Rsd 0.2s 25ph/23stn Dmin 65km Az.gap 134°
Corr. 0.248 13M/8stn Msd 0.2 1↑

94/2416
FEB 22 0108 19.9s 36.75S 177.85E 143km M=3.9
1.5 0.08 0.08 16
Rsd 0.6s 11ph/7stn Dmin 103km Az.gap 248°
Corr. 0.366 5M/4stn Msd 0.1

94/2433
FEB 22 0850 31.5s 40.81S 172.82E 12km M=3.5
0.2 0.01 0.01 R
Rsd 0.4s 38ph/28stn Dmin 14km Az.gap 77°
Corr. -0.047 34M/18stn Msd 0.2 13↑ 5↓
Felt Northwest Nelson (72).

94/2450
FEB 22 1436 17.9s 43.02S 176.54E 31km M=4.0
0.4 0.03 0.05 6
Rsd 0.2s 62ph/56stn Dmin 188km Az.gap 219°
Corr. -0.905 19M/12stn Msd 0.3 1↑ 4↓

94/2462
FEB 22 2046 23.1s 37.80S 176.58E 131km M=3.6
0.3 0.08 0.07 7
Rsd 0.2s 5ph/4stn Dmin 69km Az.gap 236°
Corr. -0.963 2M/2stn Msd 0.2 1↑

94/2472
FEB 23 0140 43.0s 41.45S 174.43E 43km M=2.0
0.2 0.01 0.01 3
Rsd 0.1s 5ph/3stn Dmin 29km Az.gap 190°
Corr. -0.443 3M/3stn Msd 0.3
Felt Ward (84) MM4.

94/2495
FEB 23 1101 38.7s 39.56S 174.25E 191km M=5.9
0.3 0.01 0.01 3
Rsd 0.2s 81ph/65stn Dmin 28km Az.gap 82°
Corr. -0.342 30M/16stn Msd 0.2 28↑ 7↓
Felt Moawhango (58) to Christchurch (110), maximum intensity MM4.

94/2508
FEB 23 1531 42.3s 36.73S 177.38E 246km M=3.6
0.3 0.03 0.05 3
Rsd 0.1s 14ph/10stn Dmin 168km Az.gap 300°
Corr. -0.658 7M/7stn Msd 0.2

94/2520
FEB 23 2122 40.6s 37.99S 176.28E 183km M=3.7
0.9 0.06 0.09 7
Rsd 0.3s 12ph/11stn Dmin 79km Az.gap 252°
Corr. -0.455 20M/19stn Msd 0.2 1↑

94/2525
FEB 23 2302 52.9s 36.57S 177.40E 221km M=3.7
0.2 0.04 0.09 2
Rsd 0.0s 12ph/11stn Dmin 190km Az.gap 340°
Corr. -0.874 4M/4stn Msd 0.2

94/2539
FEB 24 0536 16.0s 40.89S 176.78E 33km M=4.0
0.2 0.01 0.04 4
Rsd 0.2s 47ph/36stn Dmin 52km Az.gap 196°
Corr. 0.306 19M/11stn Msd 0.3 3↑ 15↓

94/2541
FEB 24 0632 39.8s 38.46S 176.16E 150km M=3.7
0.9 0.04 0.05 7
Rsd 0.3s 11ph/8stn Dmin 81km Az.gap 210°
Corr. -0.431 16M/14stn Msd 0.4 1↑

94/2562
FEB 24 1307 12.9s 36.78S 177.63E 174km M=4.6
0.5 0.03 0.02 5
Rsd 0.1s 16ph/13stn Dmin 109km Az.gap 221°
Corr. 0.283 9M/5stn Msd 0.1 2↑ 1↓

94/2567
FEB 24 1443 32.0s 36.72S 177.18E 5km M=4.3
0.6 0.05 0.03 R
Rsd 0.3s 13ph/10stn Dmin 131km Az.gap 207°
Corr. 0.555 18M/14stn Msd 0.3

94/2582
FEB 24 2049 20.1s 36.72S 177.20E 12km M=3.9
0.7 0.05 0.03 R
Rsd 0.4s 10ph/8stn Dmin 132km Az.gap 227°
Corr. 0.656 10M/8stn Msd 0.2

94/2601
FEB 25 0543 24.0s 45.15S 166.72E 12km M=4.1
1.0 0.03 0.09 R
Rsd 0.4s 12ph/7stn Dmin 50km Az.gap 271°
Corr. 0.045 22M/17stn Msd 0.2 1↓

94/2607
FEB 25 0738 34.0s 35.34S 178.98E 262km M=3.8
1.2 0.26 0.53 21
Rsd 0.2s 10ph/9stn Dmin 310km Az.gap 341°
Corr. -0.962 6M/6stn Msd 0.1

94/2635
FEB 25 1724 56.8s 36.78S 177.18E 12km M=4.0
0.5 0.05 0.03 R
Rsd 0.4s 11ph/9stn Dmin 131km Az.gap 204°
Corr. 0.574 14M/10stn Msd 0.2

94/2639
FEB 25 1922 17.7s 35.74S 179.36E 272km M=4.2
0.4 0.06 0.08 5
Rsd 0.1s 8ph/5stn Dmin 227km Az.gap 345°
Corr. -0.677 4M/3stn Msd 0.3

94/2661
FEB 26 0506 15.3s 40.88S 172.57E 5km M=3.7
0.1 0.00 0.01 R
Rsd 0.2s 32ph/24stn Dmin 7km Az.gap 110°
Corr. 0.241 43M/23stn Msd 0.2 2↑ 13↓

94/2685
FEB 26 1549 43.0s 38.15S 176.40E 196km M=3.5
0.7 0.04 0.11 6
Rsd 0.2s 9ph/6stn Dmin 64km Az.gap 246°
Corr. -0.574 10M/10stn Msd 0.2 1↑

94/2716
FEB 27 0723 29.2s 38.05S 176.29E 168km M=4.3
0.5 0.02 0.02 5
Rsd 0.3s 30ph/26stn Dmin 10km Az.gap 93°
Corr. -0.153 8M/4stn Msd 0.1 1↑

94/2784
FEB 28 0608 18.3s 38.12S 176.21E 1km M=2.7
0.2 0.00 0.01 1
Rsd 0.2s 14ph/9stn Dmin 6km Az.gap 112°
Corr. -0.434 8M/8stn Msd 0.2 1↑
Felt Rotorua (33) MM4.

94/2816
FEB 28 1022 52.5s 41.14S 174.83E 55km M=4.5
0.1 0.01 0.01 1
Rsd 0.2s 76ph/57stn Dmin 15km Az.gap 43°
Corr. -0.439 27M/14stn Msd 0.2 8↑ 29↓
Felt Masterton (66) to Picton (78), maximum intensity MM4.

94/2841
MAR 01 0041 02.0s 44.79S 167.70E 94km M=3.6
0.3 0.01 0.02 3
Rsd 0.2s 23ph/18stn Dmin 22km Az.gap 197°
Corr. -0.607 21M/17stn Msd 0.2 1↑ 5↓

94/2842
MAR 01 0050 13.8s 38.80S 175.69E 124km M=3.9
0.3 0.01 0.01 3
Rsd 0.3s 31ph/25stn Dmin 26km Az.gap 63°
Corr. -0.130 32M/26stn Msd 0.2 9↑ 5↓

94/2865
MAR 01 1603 16.3s 37.32S 177.62E 107km M=4.2
0.4 0.02 0.02 4
Rsd 0.1s 23ph/21stn Dmin 68km Az.gap 187°
Corr. 0.142 28M/22stn Msd 0.2 2↑ 5↓

94/2869
MAR 01 1711 06.0s 37.03S 177.49E 145km M=3.7
0.3 0.03 0.02 3
Rsd 0.1s 5ph/3stn Dmin 96km Az.gap 298°
Corr. -0.768 2M/2stn Msd 0.3 1↑

94/2896
MAR 02 1153 41.3s 38.62S 175.89E 163km M=3.6
1.1 0.04 0.06 10
Rsd 0.4s 15ph/13stn Dmin 52km Az.gap 218°
Corr. -0.615 13M/10stn Msd 0.1 1↑

94/2897
MAR 02 1200 44.9s 39.48S 174.26E 185km M=3.6
0.4 0.02 0.04 5
Rsd 0.1s 21ph/17stn Dmin 120km Az.gap 198°
Corr. -0.373 19M/14stn Msd 0.2

94/2906
MAR 02 1520 24.1s 45.20S 167.38E 73km M=3.8
0.2 0.01 0.02 2
Rsd 0.2s 22ph/16stn Dmin 35km Az.gap 187°
Corr. -0.267 22M/16stn Msd 0.2 1↑ 2↓

94/2945
MAR 03 2115 27.7s 38.74S 175.87E 139km M=3.6
0.4 0.01 0.07 3
Rsd 0.1s 8ph/6stn Dmin 40km Az.gap 306°
Corr. -0.157 2M/2stn Msd 0.0

94/2947
MAR 03 2153 37.3s 40.34S 173.49E 157km M=3.7
0.2 0.01 0.01 2
Rsd 0.2s 51ph/43stn Dmin 63km Az.gap 143°
Corr. -0.096 10M/6stn Msd 0.2

94/3006
MAR 05 0912 01.8s 36.84S 177.39E 228km M=3.5
0.8 0.08 0.11 7
Rsd 0.2s 8ph/6stn Dmin 117km Az.gap 295°
Corr. -0.739 3M/3stn Msd 0.1

94/3007
MAR 05 1016 13.8s 35.42S 178.79E 247km M=3.7
1.3 0.19 0.26 11
Rsd 0.4s 6ph/4stn Dmin 246km Az.gap 343°
Corr. -0.742 3M/3stn Msd 0.2

94/3011
MAR 05 1233 51.6s 41.23S 174.40E 55km M=3.6
0.1 0.01 0.00 1
Rsd 0.2s 83ph/53stn Dmin 11km Az.gap 78°
Corr. -0.425 32M/16stn Msd 0.2 8↑ 16↓

94/3030
MAR 05 2043 22.5s 38.09S 176.03E 188km M=3.6
0.5 0.03 0.02 4
Rsd 0.1s 15ph/13stn Dmin 96km Az.gap 224°
Corr. -0.626 19M/19stn Msd 0.1

94/3031
MAR 05 2126 18.5s 39.55S 174.51E 203km M=3.9
0.2 0.01 0.01 2
Rsd 0.1s 41ph/33stn Dmin 42km Az.gap 105°
Corr. -0.267 29M/27stn Msd 0.2 1↑

94/3038
MAR 06 0003 17.9s 37.01S 177.52E 154km M=3.6
0.2 0.02 0.02 2
Rsd 0.1s 8ph/6stn Dmin 96km Az.gap 286°
Corr. -0.580 6M/6stn Msd 0.3

94/3052
MAR 06 1051 34.5s 38.04S 176.48E 146km M=4.1
0.4 0.02 0.02 3
Rsd 0.2s 31ph/26stn Dmin 6km Az.gap 95°
Corr. 0.002 8M/4stn Msd 0.1 4↑ 3↓

94/3055
MAR 06 1237 55.5s 38.57S 175.81E 181km M=3.5
1.2 0.03 0.06 10
Rsd 0.2s 12ph/10stn Dmin 54km Az.gap 217°
Corr. -0.121 7M/7stn Msd 0.2

94/3056
MAR 06 1249 19.2s 38.97S 175.26E 165km M=3.7
0.2 0.01 0.02 1
Rsd 0.1s 28ph/22stn Dmin 14km Az.gap 218°
Corr. 0.059 22M/22stn Msd 0.2 1↑ 1↓

94/3066
MAR 06 1809 10.3s 38.83S 176.22E 73km M=3.6
0.2 0.01 0.01 2
Rsd 0.2s 28ph/24stn Dmin 14km Az.gap 46°
Corr. -0.561 22M/18stn Msd 0.2 1↓

94/3069
MAR 06 1938 11.9s 37.82S 176.19E 211km M=4.1
0.6 0.04 0.04 5
Rsd 0.2s 18ph/15stn Dmin 53km Az.gap 142°
Corr. -0.060 30M/27stn Msd 0.3

94/3087
MAR 07 0904 08.7s 37.70S 176.58E 165km M=4.1
0.3 0.03 0.03 3
Rsd 0.1s 12ph/10stn Dmin 78km Az.gap 234°
Corr. -0.692 26M/23stn Msd 0.3 1↑

94/3090
MAR 07 1119 12.4s 38.42S 175.93E 179km M=4.6
0.5 0.02 0.02 4
Rsd 0.2s 39ph/36stn Dmin 29km Az.gap 70°
Corr. -0.064 25M/14stn Msd 0.2 13↑ 2↓

94/3109
MAR 07 1916 25.8s 45.14S 166.26E 12km M=3.9
0.3 0.02 0.03 R
Rsd 0.2s 19ph/16stn Dmin 79km Az.gap 275°
Corr. -0.151 22M/16stn Msd 0.2

94/3116
MAR 08 0026 44.7s 34.99S 177.16E 33km M=4.8
1.7 0.12 0.12 R
Rsd 0.4s 4ph/4stn Dmin 308km Az.gap 321°
Corr. 0.487 1M/1stn Msd N.D.

94/3120
MAR 08 0325 23.8s 38.31S 175.95E 201km M=3.7
0.4 0.03 0.07 5
Rsd 0.2s 19ph/15stn Dmin 85km Az.gap 271°
Corr. -0.598 20M/16stn Msd 0.2

94/3133
MAR 08 1129 06.6s 45.12S 167.44E 77km M=4.0
0.3 0.01 0.02 3
Rsd 0.1s 21ph/16stn Dmin 45km Az.gap 188°
Corr. -0.234 8M/4stn Msd 0.2 3↑ 6↓

94/3146
MAR 08 1739 42.3s 37.52S 177.79E 95km M=3.6
0.4 0.03 0.03 4
Rsd 0.2s 6ph/3stn Dmin 46km Az.gap 245°
Corr. -0.643 3M/2stn Msd 0.1

94/3181
MAR 09 1950 52.0s 38.77S 176.12E 99km M=4.1
0.2 0.01 0.01 2
Rsd 0.2s 32ph/23stn Dmin 50km Az.gap 65°
Corr. -0.090 9M/5stn Msd 0.2 3↑ 21↓

94/3182
MAR 09 2004 16.7s 38.52S 176.03E 252km M=3.7
0.8 0.11 0.14 12
Rsd 0.2s 7ph/6stn Dmin 132km Az.gap 293°
Corr. -0.945 4M/4stn Msd 0.2

94/3183
MAR 09 2008 55.3s 45.06S 166.43E 12km M=3.7
1.0 0.04 0.09 R
Rsd 0.5s 20ph/16stn Dmin 73km Az.gap 284°
Corr. -0.122 21M/16stn Msd 0.2 1↓

94/3187
MAR 10 0102 04.2s 37.17S 177.72E 161km M=3.7
0.9 0.09 0.11 6
Rsd 0.3s 11ph/7stn Dmin 71km Az.gap 281°
Corr. -0.754 6M/6stn Msd 0.1

94/3197
MAR 10 0614 33.8s 38.45S 175.59E 194km M=3.6
0.4 0.05 0.10 9
Rsd 0.1s 11ph/9stn Dmin 154km Az.gap 291°
Corr. -0.954 4M/4stn Msd 0.1

94/3216
MAR 10 1450 22.2s 39.24S 176.28E 55km M=3.5
0.1 0.01 0.01 2
Rsd 0.3s 36ph/27stn Dmin 42km Az.gap 51°
Corr. 0.091 10M/4stn Msd 0.3 4↑ 11↓

94/3226
MAR 10 2123 52.6s 38.42S 175.83E 187km M=3.5
0.2 0.03 0.06 3
Rsd 0.1s 14ph/10stn Dmin 69km Az.gap 321°
Corr. 0.871 4M/4stn Msd 0.1 1↑

94/3245
MAR 11 0832 02.9s 37.83S 176.08E 197km M=3.6
0.4 0.03 0.03 5
Rsd 0.1s 10ph/9stn Dmin 102km Az.gap 250°
Corr. -0.697 15M/15stn Msd 0.2

94/3246
MAR 11 0842 45.6s 45.00S 166.36E 5km M=3.8
0.7 0.03 0.06 R
Rsd 0.4s 11ph/7stn Dmin 81km Az.gap 287°
Corr. -0.326 20M/15stn Msd 0.2 1↑ 1↓

94/3257
MAR 11 1305 07.4s 40.99S 174.98E 56km M=3.2
0.1 0.01 0.01 2
Rsd 0.2s 58ph/43stn Dmin 15km Az.gap 58°
Corr. -0.509 8M/5stn Msd 0.1 5↑ 3↓
Felt Tawa (68) MM4.

94/3287
MAR 12 0826 43.8s 38.94S 175.12E 212km M=3.9
0.3 0.02 0.02 3
Rsd 0.2s 36ph/29stn Dmin 37km Az.gap 93°
Corr. 0.230 24M/22stn Msd 0.3 1↑

94/3297
MAR 12 1319 43.0s 38.75S 175.99E 119km M=3.5
0.5 0.02 0.02 5
Rsd 0.2s 27ph/20stn Dmin 46km Az.gap 135°
Corr. -0.314 20M/16stn Msd 0.3 1↑

94/3309
MAR 12 1846 27.8s 44.10S 171.21E 15km M=3.1
0.2 0.01 0.01 2
Rsd 0.2s 23ph/15stn Dmin 71km Az.gap 133°
Corr. -0.358 17M/15stn Msd 0.3 1↑
Felt Geraldine (118).

94/3318
MAR 13 0129 50.9s 44.36S 168.38E 11km M=4.8
0.3 0.02 0.01 3
Rsd 0.2s 25ph/20stn Dmin 50km Az.gap 160°
Corr. -0.382 19M/11stn Msd 0.3 2↑ 5↓
Felt Mt Aspiring Stn (113) MM4.

94/3321
MAR 13 0244 28.6s 37.83S 176.37E 186km M=3.9
0.3 0.01 0.01 3
Rsd 0.1s 19ph/16stn Dmin 81km Az.gap 108°
Corr. -0.113 17M/17stn Msd 0.2 1↑

94/3325
MAR 13 0358 31.9s 44.38S 168.39E 5km M=3.6
0.2 0.02 0.01 R
Rsd 0.2s 24ph/18stn Dmin 49km Az.gap 174°
Corr. -0.355 8M/5stn Msd 0.3 1↑ 6↓

94/3340
MAR 13 1107 30.1s 40.81S 174.74E 48km M=3.7
0.1 0.01 0.01 3
Rsd 0.2s 36ph/31stn Dmin 16km Az.gap 66°
Corr. -0.223 19M/13stn Msd 0.2 3↑ 1↓
Felt Paekakariki (65) MM 4.

94/3352
MAR 13 1550 30.1s 45.21S 166.75E 12km M=3.9
0.5 0.02 0.05 R
Rsd 0.2s 17ph/14stn Dmin 43km Az.gap 274°
Corr. 0.133 23M/17stn Msd 0.1

94/3364
MAR 13 2305 09.0s 36.57S 177.50E 228km M=3.7
0.5 0.06 0.08 6
Rsd 0.2s 10ph/7stn Dmin 135km Az.gap 300°
Corr. -0.762 5M/5stn Msd 0.2

94/3366
MAR 14 0029 12.0s 38.26S 178.31W 33km M=3.8
0.3 0.04 0.03 R
Rsd 0.1s 11ph/8stn Dmin 302km Az.gap 318°
Corr. 0.033 3M/3stn Msd 0.0

94/3373
MAR 14 0525 40.4s 38.54S 175.86E 152km M=3.7
0.4 0.02 0.02 3
Rsd 0.2s 18ph/13stn Dmin 58km Az.gap 153°
Corr. -0.027 21M/17stn Msd 0.3 1↑

94/3389
MAR 14 1500 32.8s 41.30S 172.84E 139km M=3.6
0.4 0.02 0.03 3
Rsd 0.3s 24ph/17stn Dmin 52km Az.gap 137°
Corr. -0.226 11M/11stn Msd 0.2

94/3390
MAR 14 1524 13.1s 37.67S 176.04E 266km M=4.0
0.5 0.07 0.06 5
Rsd 0.1s 11ph/10stn Dmin 115km Az.gap 229°
Corr. -0.707 22M/18stn Msd 0.2 2↑ 4↓

94/3397
MAR 14 1945 32.3s 38.52S 175.85E 153km M=4.4
0.4 0.02 0.02 3
Rsd 0.2s 29ph/21stn Dmin 60km Az.gap 82°
Corr. 0.169 26M/20stn Msd 0.3

94/3398
MAR 14 2023 16.1s 45.14S 166.30E 12km M=4.3
0.4 0.02 0.04 R
Rsd 0.2s 16ph/14stn Dmin 77km Az.gap 265°
Corr. 0.344 8M/4stn Msd 0.3

94/3400
MAR 14 2048 23.1s 38.63S 175.34E 284km M=3.6
0.9 0.08 0.14 11
Rsd 0.3s 12ph/9stn Dmin 66km Az.gap 213°
Corr. -0.778 12M/12stn Msd 0.2

94/3407
MAR 15 0440 05.3s 38.04S 175.32E 33km M=3.7
0.9 0.06 0.08 R
Rsd 0.3s 8ph/5stn Dmin 159km Az.gap 271°
Corr. -0.894 4M/4stn Msd 0.2

94/3413
MAR 15 0705 53.0s 37.29S 177.63E 111km M=3.9
0.3 0.02 0.02 3
Rsd 0.1s 17ph/15stn Dmin 69km Az.gap 191°
Corr. 0.275 10M/8stn Msd 0.2

94/3417
MAR 15 0912 44.7s 37.65S 177.33E 101km M=3.9
0.4 0.05 0.04 5
Rsd 0.3s 15ph/13stn Dmin 71km Az.gap 220°
Corr. -0.732 16M/14stn Msd 0.1 1↑

94/3420
MAR 15 1007 41.4s 37.11S 176.09E 17km M=4.1
3.5 0.28 0.03 2
Rsd 0.1s 7ph/7stn Dmin 156km Az.gap 280°
Corr. -0.869 3M/3stn Msd 0.2

94/3425
MAR 15 1220 02.0s 44.98S 166.43E 12km M=3.6
0.6 0.03 0.06 R
Rsd 0.3s 10ph/6stn Dmin 79km Az.gap 287°
Corr. -0.267 18M/13stn Msd 0.2 1↓

94/3439
MAR 15 1920 52.7s 41.29S 172.67E 231km M=3.7
0.3 0.03 0.04 3
Rsd 0.2s 20ph/15stn Dmin 56km Az.gap 231°
Corr. -0.655 9M/9stn Msd 0.3

94/3441
MAR 15 2021 07.8s 37.19S 177.19E 221km M=3.6
0.8 0.09 0.11 7
Rsd 0.4s 7ph/5stn Dmin 108km Az.gap 274°
Corr. -0.737 4M/4stn Msd 0.3 1↑

94/3444
MAR 15 2239 21.2s 38.88S 175.11E 218km M=3.8
0.6 0.02 0.03 5
Rsd 0.1s 21ph/18stn Dmin 39km Az.gap 133°
Corr. 0.338 19M/15stn Msd 0.2

94/3458
MAR 16 1005 12.7s 40.42S 174.43E 63km M=3.6
0.2 0.01 0.01 5
Rsd 0.2s 29ph/24stn Dmin 61km Az.gap 86°
Corr. 0.286 18M/14stn Msd 0.2 1↑

94/3459
MAR 16 1010 28.1s 38.62S 175.61E 180km M=4.0
0.4 0.02 0.04 4
Rsd 0.1s 15ph/12stn Dmin 51km Az.gap 79°
Corr. 0.545 19M/15stn Msd 0.2

94/3465
MAR 16 1510 53.5s 40.27S 176.52E 55km M=4.4
0.1 0.01 0.02 3
Rsd 0.1s 31ph/30stn Dmin 40km Az.gap 163°
Corr. -0.695 16M/12stn Msd 0.2 1↑
Felt Waipawa (60) and Dannevirke (63).

94/3481
MAR 17 0740 41.9s 40.15S 174.16E 99km M=3.7
0.3 0.01 0.02 4
Rsd 0.3s 35ph/26stn Dmin 76km Az.gap 107°
Corr. 0.107 18M/14stn Msd 0.3 1↑ 3↓

94/3486
MAR 17 0931 45.2s 40.28S 176.50E 54km M=3.6
0.1 0.01 0.01 3
Rsd 0.2s 33ph/27stn Dmin 42km Az.gap 162°
Corr. -0.593 21M/17stn Msd 0.2 5↑ 5↓
Felt Pongaroa (67) MM4.

94/3496
MAR 17 1308 10.9s 45.13S 167.38E 114km M=4.3
0.3 0.01 0.02 3
Rsd 0.2s 20ph/15stn Dmin 42km Az.gap 196°
Corr. -0.261 20M/14stn Msd 0.1 9↑ 1↓

94/3500
MAR 17 1445 45.9s 45.00S 166.23E 12km M=4.1
0.9 0.04 0.08 R
Rsd 0.5s 11ph/8stn Dmin 90km Az.gap 291°
Corr. 0.003 17M/11stn Msd 0.2 1↓

94/3506
MAR 17 1833 58.6s 44.97S 166.39E 12km M=3.7
0.5 0.02 0.05 R
Rsd 0.3s 9ph/6stn Dmin 82km Az.gap 272°
Corr. -0.094 17M/12stn Msd 0.2 1↓

94/3507
MAR 17 1846 49.5s 45.02S 166.33E 5km M=3.8
1.1 0.04 0.11 R
Rsd 0.5s 9ph/6stn Dmin 82km Az.gap 288°
Corr. -0.364 17M/12stn Msd 0.2 1↑

94/3508
MAR 17 1954 45.5s 36.47S 176.94E 12km M=3.8
1.1 0.09 0.04 R
Rsd 0.2s 10ph/8stn Dmin 174km Az.gap 291°
Corr. 0.320 2M/2stn Msd 0.3

94/3511
MAR 17 2137 54.4s 38.30S 175.92E 161km M=3.7
0.6 0.02 0.03 5
Rsd 0.2s 11ph/8stn Dmin 55km Az.gap 118°
Corr. 0.487 18M/17stn Msd 0.2 3↑ 5↓

94/3518
MAR 18 0419 23.0s 37.85S 176.78E 154km M=4.4
0.5 0.02 0.02 4
Rsd 0.2s 24ph/19stn Dmin 18km Az.gap 117°
Corr. 0.212 22M/18stn Msd 0.2 3↑ 2↓

94/3540
MAR 18 2108 08.7s 38.29S 176.17E 152km M=3.9
0.5 0.02 0.04 5
Rsd 0.2s 13ph/9stn Dmin 69km Az.gap 176°
Corr. 0.451 16M/16stn Msd 0.3 1↑

94/3545
MAR 18 2317 01.3s 38.90S 175.63E 132km M=3.6
0.3 0.02 0.02 2
Rsd 0.2s 23ph/17stn Dmin 25km Az.gap 118°
Corr. 0.294 23M/19stn Msd 0.1

94/3556
MAR 19 0558 26.2s 40.66S 175.34E 63km M=3.9
0.1 0.01 0.01 2
Rsd 0.2s 41ph/32stn Dmin 13km Az.gap 63°
Corr. -0.314 20M/16stn Msd 0.3 2↑ 12↓

94/3557
MAR 19 0632 44.7s 35.30S 179.10E 184km M=4.3
0.6 0.06 0.06 10
Rsd 0.2s 8ph/6stn Dmin 265km Az.gap 312°
Corr. 0.806 14M/14stn Msd 0.1

94/3568
MAR 19 1613 05.3s 38.45S 176.69E 65km M=3.5
0.3 0.01 0.02 3
Rsd 0.3s 19ph/16stn Dmin 29km Az.gap 56°
Corr. -0.048 12M/12stn Msd 0.3 1↓

94/3587
MAR 20 1055 49.7s 38.52S 176.11E 146km M=3.8
0.7 0.08 0.12 9
Rsd 0.3s 18ph/14stn Dmin 91km Az.gap 229°
Corr. -0.825 11M/11stn Msd 0.2 1↑

94/3588
MAR 20 1142 40.9s 38.87S 175.46E 184km M=3.5
0.4 0.05 0.09 8
Rsd 0.2s 15ph/11stn Dmin 120km Az.gap 280°
Corr. -0.870 9M/9stn Msd 0.4

94/3594
MAR 20 1754 24.4s 38.42S 176.01E 186km M=3.9
0.5 0.02 0.04 4
Rsd 0.3s 23ph/16stn Dmin 88km Az.gap 161°
Corr. -0.241 12M/12stn Msd 0.3 1↑

94/3601
MAR 21 0002 47.3s 36.24S 177.65E 199km M=4.1
1.0 0.08 0.18 15
Rsd 0.2s 11ph/10stn Dmin 162km Az.gap 313°
Corr. -0.565 4M/4stn Msd 0.2

94/3603
MAR 21 0136 35.8s 38.79S 176.37E 199km M=3.6
2.5 0.44 0.70 36
Rsd 0.9s 9ph/7stn Dmin 60km Az.gap 213°
Corr. -0.979 5M/5stn Msd 0.2 1↑

94/3616
MAR 21 0912 07.8s 39.22S 176.39E 84km M=3.6
0.2 0.01 0.01 2
Rsd 0.2s 33ph/25stn Dmin 52km Az.gap 105°
Corr. 0.212 17M/16stn Msd 0.2 2↑ 1↓

94/3625
MAR 21 1237 52.7s 39.13S 174.91E 182km M=4.0
0.5 0.02 0.03 4
Rsd 0.2s 25ph/21stn Dmin 57km Az.gap 127°
Corr. -0.008 15M/15stn Msd 0.5 1↑

94/3626
MAR 21 1431 44.7s 35.82S 178.80E 77km M=4.3
0.7 0.04 0.05 11
Rsd 0.2s 11ph/8stn Dmin 202km Az.gap 274°
Corr. 0.713 12M/12stn Msd 0.1

94/3629
MAR 21 1704 02.2s 36.65S 176.65E 155km M=3.7
0.4 0.04 0.12 15
Rsd 0.1s 13ph/10stn Dmin 181km Az.gap 282°
Corr. -0.813 6M/6stn Msd 0.2

94/3636
MAR 21 2041 10.5s 37.81S 176.78E 233km M=3.7
0.2 0.04 0.07 4
Rsd 0.0s 13ph/10stn Dmin 150km Az.gap 317°
Corr. -0.959 12M/12stn Msd 0.2

94/3646
MAR 22 0611 04.9s 35.96S 178.95E 33km M=4.1
1.2 0.06 0.09 R
Rsd 0.2s 12ph/11stn Dmin 191km Az.gap 303°
Corr. 0.840 19M/17stn Msd 0.5

94/3653
MAR 22 1225 29.2s 37.48S 178.72E 26km M=3.9
1.2 0.03 0.10 5
Rsd 0.4s 6ph/4stn Dmin 39km Az.gap 280°
Corr. 0.481 1M/1stn Msd 0.0 1↑

94/3666
MAR 22 1657 53.5s 39.46S 174.70E 170km M=3.6
0.3 0.01 0.02 3
Rsd 0.1s 25ph/20stn Dmin 83km Az.gap 185°
Corr. -0.394 14M/14stn Msd 0.3 2↑

94/3673
MAR 22 2154 11.7s 39.23S 174.89E 25km M=4.0
0.0 0.01 0.00 1
Rsd 0.2s 37ph/32stn Dmin 48km Az.gap 79°
Corr. -0.026 12M/7stn Msd 0.1 10↑ 7↓
Felt New Plymouth (47).

94/3701
MAR 23 1151 15.9s 38.31S 175.92E 156km M=3.8
0.6 0.03 0.03 6
Rsd 0.2s 15ph/13stn Dmin 84km Az.gap 173°
Corr. 0.095 15M/15stn Msd 0.3 1↑

94/3704
MAR 23 1214 41.5s 37.35S 177.31E 112km M=3.8
0.6 0.03 0.03 7
Rsd 0.4s 13ph/11stn Dmin 92km Az.gap 173°
Corr. 0.347 12M/12stn Msd 0.1

94/3706
MAR 23 1324 08.1s 37.42S 177.12E 111km M=3.6
0.9 0.05 0.03 10
Rsd 0.3s 7ph/4stn Dmin 106km Az.gap 161°
Corr. 0.727 1M/1stn Msd 0.0

94/3707
MAR 23 1351 08.9s 38.20S 177.84E 45km M=4.2
0.3 0.01 0.02 6
Rsd 0.2s 23ph/21stn Dmin 39km Az.gap 110°
Corr. 0.140 21M/17stn Msd 0.2 1↑ 1↓

94/3708
MAR 23 1359 08.9s 39.78S 174.08E 178km M=3.6
0.5 0.02 0.03 4
Rsd 0.3s 22ph/17stn Dmin 50km Az.gap 117°
Corr. 0.049 14M/12stn Msd 0.2 1↑

94/3712
MAR 23 1650 17.6s 44.98S 166.37E 12km M=3.8
0.5 0.02 0.04 R
Rsd 0.2s 14ph/10stn Dmin 82km Az.gap 287°
Corr. -0.112 20M/14stn Msd 0.2 1↑

94/3722
MAR 24 0312 33.2s 37.99S 177.15E 360km M=4.0
0.6 0.56 1.02 16
Rsd 0.2s 12ph/10stn Dmin 97km Az.gap 197°
Corr. -0.999 7M/7stn Msd 0.1

94/3724
MAR 24 0640 52.2s 39.60S 174.26E 210km M=3.6
0.4 0.02 0.04 4
Rsd 0.2s 21ph/18stn Dmin 125km Az.gap 192°
Corr. -0.563 11M/10stn Msd 0.1

94/3728
MAR 24 0801 00.8s 45.04S 166.35E 12km M=3.7
1.6 0.05 0.17 R
Rsd 0.6s 14ph/12stn Dmin 79km Az.gap 304°
Corr. 0.293 18M/14stn Msd 0.2 1↓

94/3738
MAR 24 1211 17.5s 40.97S 174.87E 28km M=3.7
0.0 0.01 0.01 1
Rsd 0.1s 22ph/18stn Dmin 13km Az.gap 89°
Corr. -0.428 9M/5stn Msd 0.2 1↑ 1↓
Felt Paremata to Eastbourne (68), MM4.

94/3739
MAR 24 1211 31.4s 40.98S 174.87E 27km M=3.9
0.1 0.01 0.01 2
Rsd 0.2s 17ph/12stn Dmin 13km Az.gap 103°
Corr. -0.502 11M/6stn Msd 0.1

94/3745
MAR 24 1641 33.9s 39.36S 175.94E 60km M=3.5
0.2 0.01 0.02 4
Rsd 0.4s 31ph/25stn Dmin 27km Az.gap 57°
Corr. 0.371 21M/17stn Msd 0.3 2↑ 1↓

94/3750
MAR 24 1922 14.7s 38.35S 175.98E 186km M=3.9
0.6 0.02 0.04 5
Rsd 0.2s 19ph/14stn Dmin 104km Az.gap 222°
Corr. 0.191 17M/13stn Msd 0.2

94/3755
MAR 24 2350 10.1s 39.69S 174.13E 191km M=3.6
0.4 0.02 0.03 5
Rsd 0.2s 22ph/17stn Dmin 125km Az.gap 197°
Corr. -0.477 15M/13stn Msd 0.2

94/3757
MAR 25 0208 52.2s 35.70S 178.16E 229km M=3.8
0.6 0.12 0.25 14
Rsd 0.1s 11ph/8stn Dmin 211km Az.gap 332°
Corr. -0.931 5M/5stn Msd 0.1

94/3774
MAR 25 1147 54.2s 38.80S 175.59E 153km M=3.6
0.4 0.02 0.03 3
Rsd 0.1s 13ph/10stn Dmin 23km Az.gap 220°
Corr. 0.166 14M/11stn Msd 0.2 1↑

94/3786
MAR 25 1827 27.0s 44.97S 166.32E 12km M=3.8
1.3 0.05 0.12 R
Rsd 0.7s 15ph/12stn Dmin 86km Az.gap 289°
Corr. -0.207 18M/12stn Msd 0.2 1↓

94/3808
MAR 26 1414 56.2s 40.98S 174.58E 55km M=3.8
0.1 0.01 0.01 2
Rsd 0.2s 31ph/25stn Dmin 30km Az.gap 54°
Corr. -0.045 15M/11stn Msd 0.4 3↑ 3↓
Felt Tawa (68) MM4.

94/3817
MAR 26 2012 36.7s 39.05S 174.91E 205km M=5.5
0.4 0.01 0.02 3
Rsd 0.2s 41ph/35stn Dmin 41km Az.gap 86°
Corr. -0.125 16M/10stn Msd 0.5 7↑ 2↓
Felt lower North Island, maximum intensity MM4.

94/3823
MAR 27 0446 34.6s 38.16S 176.13E 151km M=3.7
0.9 0.03 0.02 10
Rsd 0.3s 13ph/11stn Dmin 106km Az.gap 182°
Corr. -0.175 15M/14stn Msd 0.3 1↑

94/3833
MAR 27 1215 49.6s 38.15S 176.25E 173km M=3.7
0.5 0.02 0.02 5
Rsd 0.2s 15ph/11stn Dmin 105km Az.gap 180°
Corr. -0.314 16M/15stn Msd 0.3 1↑

94/3835
MAR 27 1325 39.5s 40.97S 174.86E 28km M=4.1
0.0 0.01 0.00 1
Rsd 0.1s 25ph/22stn Dmin 13km Az.gap 88°
Corr. -0.473 12M/7stn Msd 0.1 8↑ 1↓
Felt Raumati (65) to Wellington (68), maximum intensity MM4.

94/3837
MAR 27 1403 38.8s 38.38S 176.30E 104km M=4.2
0.2 0.01 0.01 2
Rsd 0.1s 32ph/28stn Dmin 4km Az.gap 44°
Corr. 0.044 23M/18stn Msd 0.2 4↑ 1↓

94/3864
MAR 28 0534 50.3s 38.31S 176.01E 167km M=3.8
3.6 0.11 0.06 28
Rsd 0.2s 11ph/11stn Dmin 87km Az.gap 270°
Corr. -0.837 13M/12stn Msd 0.3 1↑

94/3867
MAR 28 0556 49.7s 44.47S 168.26E 12km M=5.1
0.1 0.01 0.01 R
Rsd 0.1s 20ph/18stn Dmin 35km Az.gap 172°
Corr. -0.368 17M/9stn Msd 0.3 2↑ 7↓
Felt Shovel Flat (113) MM4 and Queenstown (132).

94/3880
MAR 28 1037 00.8s 47.75S 165.56E 33km M=3.9
0.5 0.04 0.04 R
Rsd 0.2s 15ph/12stn Dmin 218km Az.gap 322°
Corr. 0.069 11M/11stn Msd 0.2 1↓

94/3892
MAR 28 1856 18.5s 40.31S 173.50E 172km M=3.6
0.4 0.03 0.02 4
Rsd 0.2s 25ph/19stn Dmin 65km Az.gap 175°
Corr. -0.228 16M/13stn Msd 0.2 1↓

94/3895
MAR 28 2054 49.4s 37.50S 176.52E 227km M=5.4
0.4 0.03 0.03 3
Rsd 0.2s 32ph/26stn Dmin 55km Az.gap 135°
Corr. -0.031 14M/10stn Msd 0.2 12↑ 1↓

94/3900
MAR 28 2309 40.0s 36.23S 175.62E 33km M=4.3
2.8 0.21 0.10 R
Rsd 0.7s 8ph/6stn Dmin 311km Az.gap 311°
Corr. -0.398 4M/4stn Msd 0.1

94/3901
MAR 28 2335 23.0s 37.29S 176.71E 227km M=4.3
1.0 0.03 0.03 8
Rsd 0.3s 12ph/10stn Dmin 107km Az.gap 160°
Corr. -0.014 19M/16stn Msd 0.2

94/3902
MAR 29 0043 28.8s 37.04S 177.20E 240km M=3.9
1.4 0.22 0.40 30
Rsd 0.3s 12ph/10stn Dmin 115km Az.gap 271°
Corr. -0.964 13M/13stn Msd 0.2

94/3905
MAR 29 0123 23.0s 45.02S 166.37E 12km M=3.8
1.8 0.06 0.18 R
Rsd 0.8s 8ph/6stn Dmin 79km Az.gap 286°
Corr. -0.139 19M/14stn Msd 0.2

94/3922
MAR 29 1436 56.0s 37.18S 179.78E 12km M=3.7
1.0 0.04 0.09 R
Rsd 0.2s 4ph/3stn Dmin 139km Az.gap 317°
Corr. -0.272 2M/2stn Msd 0.2

94/3928
MAR 29 2150 23.2s 41.21S 173.63E 88km M=3.5
0.3 0.02 0.01 3
Rsd 0.3s 23ph/14stn Dmin 51km Az.gap 86°
Corr. -0.273 13M/11stn Msd 0.1 1↑ 1↓

94/3937
MAR 30 0223 53.6s 45.15S 166.24E 12km M=3.8
0.5 0.03 0.05 R
Rsd 0.3s 18ph/15stn Dmin 80km Az.gap 286°
Corr. 0.355 19M/14stn Msd 0.2 1↓

94/3957
MAR 30 1152 57.8s 45.11S 166.76E 12km M=3.7
0.5 0.01 0.05 R
Rsd 0.3s 19ph/14stn Dmin 50km Az.gap 281°
Corr. -0.232 19M/14stn Msd 0.1 1↓

94/3962
MAR 30 1913 21.1s 36.22S 179.92W 138km M=4.4
0.7 0.04 0.08 8
Rsd 0.1s 12ph/9stn Dmin 221km Az.gap 313°
Corr. 0.531 13M/11stn Msd 0.3

94/3971
MAR 31 0336 59.1s 38.32S 175.94E 177km M=3.6
0.6 0.05 0.04 5
Rsd 0.2s 13ph/12stn Dmin 83km Az.gap 217°
Corr. 0.086 15M/15stn Msd 0.4

94/3987
MAR 31 1153 14.4s 38.11S 177.07E 66km M=5.9
0.2 0.01 0.01 2
Rsd 0.3s 29ph/24stn Dmin 17km Az.gap 102°
Corr. 0.256 11M/5stn Msd 0.2 3↑ 5↓
Felt Bay of Plenty to Wellington, maximum intensity MM5 at Opotiki (35).

94/3995
MAR 31 1804 35.8s 45.21S 166.98E 12km M=4.2
0.9 0.03 0.09 R
Rsd 0.4s 10ph/7stn Dmin 32km Az.gap 250°
Corr. -0.348 24M/17stn Msd 0.2 1↓

94/4038
APR 01 2100 51.5s 39.66S 176.19E 53km M=4.0
0.1 0.01 0.01 3
Rsd 0.3s 36ph/29stn Dmin 15km Az.gap 68°
Corr. -0.114 17M/15stn Msd 0.2 6↑ 2↓

94/4056
APR 02 1435 49.7s 44.92S 167.43E 74km M=4.2
0.4 0.01 0.03 3
Rsd 0.1s 18ph/16stn Dmin 48km Az.gap 204°
Corr. -0.618 21M/14stn Msd 0.2 1↓

94/4057
APR 02 1440 57.5s 41.37S 173.59E 84km M=3.6
0.2 0.01 0.01 3
Rsd 0.2s 24ph/17stn Dmin 60km Az.gap 75°
Corr. -0.265 4M/4stn Msd 0.3

94/4069
APR 02 2325 31.2s 35.67S 178.06E 33km M=4.2
1.1 0.06 0.09 R
Rsd 0.3s 6ph/5stn Dmin 215km Az.gap 323°
Corr. -0.532 3M/3stn Msd 0.3

94/4093
APR 03 1933 45.3s 39.67S 176.30E 54km M=3.7
0.2 0.01 0.02 4
Rsd 0.2s 17ph/14stn Dmin 6km Az.gap 90°
Corr. -0.245 6M/4stn Msd 0.2 1↓

94/4102
APR 04 1100 47.1s 40.23S 173.55E 168km M=4.2
0.4 0.01 0.01 3
Rsd 0.2s 27ph/21stn Dmin 101km Az.gap 146°
Corr. -0.043 10M/7stn Msd 0.2 1↑ 3↓

94/4131
APR 05 1334 23.0s 38.35S 175.97E 174km M=3.8
0.6 0.03 0.02 5
Rsd 0.1s 12ph/11stn Dmin 81km Az.gap 268°
Corr. 0.040 11M/11stn Msd 0.2 5↑ 1↓

94/4135
APR 05 1513 55.0s 37.43S 177.46E 63km M=4.1
0.2 0.02 0.01 4
Rsd 0.1s 21ph/19stn Dmin 77km Az.gap 168°
Corr. -0.003 17M/15stn Msd 0.2 1↑

94/4139
APR 05 1811 45.7s 40.91S 173.01E 205km M=3.8
0.5 0.03 0.03 4
Rsd 0.3s 19ph/14stn Dmin 42km Az.gap 127°
Corr. -0.125 8M/8stn Msd 0.3 1↑

94/4145
APR 06 0451 02.4s 36.20S 177.68E 205km M=3.7
0.3 0.07 0.15 8
Rsd 0.0s 12ph/11stn Dmin 165km Az.gap 314°
Corr. -0.987 7M/7stn Msd 0.2

94/4146
APR 06 0451 05.7s 45.23S 166.91E 12km M=3.7
0.5 0.01 0.04 3
Rsd 0.2s 19ph/16stn Dmin 33km Az.gap 260°
Corr. -0.138 21M/16stn Msd 0.1 1↓

94/4158
APR 06 1126 37.8s 38.02S 176.32E 206km M=3.6
0.9 0.04 0.06 8
Rsd 0.3s 15ph/12stn Dmin 113km Az.gap 224°
Corr. -0.763 12M/12stn Msd 0.2 1↑

94/4162
APR 06 1418 54.0s 37.51S 177.13E 138km M=3.6
0.5 0.02 0.01 5
Rsd 0.2s 16ph/13stn Dmin 67km Az.gap 153°
Corr. 0.249 12M/12stn Msd 0.3 1↑

94/4170
APR 06 2315 09.7s 38.67S 175.29E 263km M=4.7
0.3 0.02 0.02 2
Rsd 0.2s 36ph/28stn Dmin 42km Az.gap 76°
Corr. 0.067 22M/18stn Msd 0.3 12↑ 3↓

94/4217
APR 08 0311 45.8s 38.07S 175.63E 197km M=3.6
0.5 0.06 0.13 13
Rsd 0.2s 18ph/14stn Dmin 152km Az.gap 278°
Corr. -0.941 12M/12stn Msd 0.2

94/4219
APR 08 0406 58.1s 39.17S 174.71E 569km M=5.1
0.4 0.04 0.07 3
Rsd 0.2s 40ph/35stn Dmin 54km Az.gap 79°
Corr. -0.108 20M/17stn Msd 0.3 1↑ 10↓

94/4224
APR 08 0620 52.6s 38.71S 175.63E 171km M=3.5
0.6 0.03 0.05 6
Rsd 0.2s 17ph/13stn Dmin 75km Az.gap 136°
Corr. -0.094 9M/7stn Msd 0.2

94/4226
APR 08 0910 57.1s 44.56S 167.79E 30km M=3.6
0.2 0.01 0.02 1
Rsd 0.2s 20ph/16stn Dmin 17km Az.gap 206°
Corr. -0.630 19M/15stn Msd 0.2 1↑ 2↓

94/4227
APR 08 1011 58.5s 45.92S 166.82E 84km M=4.0
0.2 0.01 0.02 1
Rsd 0.1s 19ph/14stn Dmin 57km Az.gap 250°
Corr. 0.355 21M/15stn Msd 0.2 1↓

94/4228
APR 08 1038 41.3s 40.44S 177.01E 13km M=3.7
0.5 0.02 0.03 3
Rsd 0.3s 23ph/18stn Dmin 66km Az.gap 222°
Corr. -0.731 22M/18stn Msd 0.2 2↑ 1↓

94/4277
APR 09 1508 16.9s 39.07S 175.09E 154km M=3.5
0.1 0.00 0.01 1
Rsd 0.0s 17ph/13stn Dmin 42km Az.gap 214°
Corr. 0.283 9M/9stn Msd 0.4 1↑

94/4278
APR 09 1520 38.9s 36.93S 178.58E 57km M=3.5
0.5 0.03 0.09 5
Rsd 0.2s 13ph/11stn Dmin 78km Az.gap 327°
Corr. -0.263 7M/7stn Msd 0.2 1↑

94/4283
APR 09 1845 49.3s 37.45S 176.76E 240km M=3.7
0.3 0.04 0.06 5
Rsd 0.1s 15ph/14stn Dmin 138km Az.gap 246°
Corr. -0.878 15M/15stn Msd 0.3

94/4284
APR 09 1911 58.7s 38.51S 177.57E 53km M=3.5
0.4 0.01 0.02 9
Rsd 0.2s 24ph/22stn Dmin 59km Az.gap 109°
Corr. 0.290 16M/16stn Msd 0.2

94/4294
APR 10 0024 00.5s 40.24S 173.61E 157km M=4.0
0.3 0.01 0.01 3
Rsd 0.2s 45ph/33stn Dmin 68km Az.gap 142°
Corr. 0.052 22M/18stn Msd 0.3 1↑

94/4296
APR 10 0228 18.2s 39.05S 177.44E 51km M=4.4
0.2 0.01 0.02 3
Rsd 0.2s 32ph/28stn Dmin 27km Az.gap 97°
Corr. -0.362 21M/18stn Msd 0.2 4↑ 5↓

94/4299
APR 10 0415 55.1s 37.09S 177.68E 137km M=4.1
0.3 0.02 0.02 3
Rsd 0.1s 16ph/15stn Dmin 78km Az.gap 259°
Corr. -0.045 16M/16stn Msd 0.3

94/4302
APR 10 0627 20.4s 38.45S 175.94E 176km M=3.7
0.3 0.02 0.02 2
Rsd 0.1s 16ph/15stn Dmin 70km Az.gap 261°
Corr. 0.154 14M/13stn Msd 0.3

94/4306
APR 10 0919 23.8s 38.67S 177.60E 83km M=4.1
0.5 0.01 0.02 6
Rsd 0.2s 27ph/25stn Dmin 52km Az.gap 116°
Corr. 0.401 18M/15stn Msd 0.2 1↓

94/4322
APR 10 2218 43.1s 37.93S 177.27E 80km M=4.5
0.2 0.01 0.01 2
Rsd 0.2s 34ph/27stn Dmin 51km Az.gap 115°
Corr. 0.169 22M/19stn Msd 0.2 7↑ 12↓
Felt Opotiki (35) MM3.

94/4331
APR 11 0121 22.7s 34.92S 179.05E 270km M=4.0
0.3 0.02 0.03 3
Rsd 0.1s 6ph/4stn Dmin 304km Az.gap 286°
Corr. 0.046 1M/1stn Msd 0.0

94/4336
APR 11 0425 27.2s 38.19S 175.87E 304km M=3.7
0.5 0.08 0.12 8
Rsd 0.2s 15ph/11stn Dmin 173km Az.gap 303°
Corr. -0.851 11M/11stn Msd 0.3

94/4342
APR 11 0942 45.8s 37.92S 176.57E 120km M=3.7
0.4 0.02 0.01 4
Rsd 0.2s 19ph/17stn Dmin 12km Az.gap 163°
Corr. -0.391 14M/14stn Msd 0.2

94/4352
APR 11 1334 02.9s 36.83S 177.42E 114km M=3.5
0.3 0.03 0.07 10
Rsd 0.1s 11ph/9stn Dmin 115km Az.gap 293°
Corr. -0.881 4M/4stn Msd 0.1

94/4363
APR 11 1857 51.9s 40.94S 175.06E 31km M=3.2
0.1 0.01 0.01 1
Rsd 0.2s 23ph/17stn Dmin 15km Az.gap 95°
Corr. -0.556 20M/17stn Msd 0.2 6↑ 1↓
Felt Raumati (65) MM4.

94/4375
APR 12 0247 10.1s 36.98S 177.83E 130km M=3.6
1.4 0.08 0.12 14
Rsd 0.4s 10ph/9stn Dmin 80km Az.gap 291°
Corr. -0.118 9M/9stn Msd 0.2

94/4376
APR 12 0357 13.1s 41.30S 172.70E 192km M=3.8
0.3 0.01 0.02 2
Rsd 0.1s 22ph/16stn Dmin 54km Az.gap 164°
Corr. 0.142 12M/12stn Msd 0.3 5↑ 1↓

94/4390
APR 12 0815 06.0s 40.42S 176.23E 11km M=3.2
0.3 0.01 0.03 2
Rsd 0.5s 24ph/19stn Dmin 12km Az.gap 143°
Corr. -0.556 17M/15stn Msd 0.2 3↑ 1↓
Felt Weber (63).

94/4399
APR 12 1107 38.7s 36.10S 177.40E 178km M=3.7
0.9 0.10 0.26 27
Rsd 0.3s 10ph/7stn Dmin 185km Az.gap 312°
Corr. -0.853 2M/2stn Msd 0.3

94/4400
APR 12 1112 21.7s 38.11S 176.18E 151km M=4.0
0.7 0.02 0.02 8
Rsd 0.2s 14ph/12stn Dmin 113km Az.gap 184°
Corr. -0.147 14M/14stn Msd 0.4 1↑

94/4406
APR 12 1327 40.8s 38.95S 175.99E 115km M=3.8
0.3 0.01 0.02 3
Rsd 0.3s 34ph/26stn Dmin 11km Az.gap 49°
Corr. -0.174 16M/14stn Msd 0.2 4↑ 1↓

94/4407
APR 12 1512 39.1s 44.69S 167.64E 55km M=4.2
0.2 0.01 0.02 1
Rsd 0.1s 19ph/16stn Dmin 23km Az.gap 199°
Corr. -0.694 9M/5stn Msd 0.4 2↓

94/4413
APR 13 0238 21.9s 41.22S 172.69E 215km M=3.8
0.4 0.02 0.03 3
Rsd 0.2s 20ph/15stn Dmin 46km Az.gap 180°
Corr. 0.105 11M/11stn Msd 0.3 8↑ 1↓

94/4419
APR 13 0856 19.2s 39.90S 174.70E 97km M=3.7
0.2 0.01 0.01 3
Rsd 0.2s 34ph/24stn Dmin 91km Az.gap 73°
Corr. -0.177 15M/12stn Msd 0.3 4↑ 1↓

94/4443
APR 14 0306 34.8s 43.41S 171.05E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.1s 20ph/17stn Dmin 20km Az.gap 96°
Corr. 0.483 32M/25stn Msd 0.3 1↓
Felt Erewhon (106) MM5.

94/4472
APR 14 2208 52.1s 45.22S 166.87E 12km M=3.6
0.4 0.01 0.04 R
Rsd 0.1s 21ph/17stn Dmin 36km Az.gap 257°
Corr. -0.239 21M/17stn Msd 0.2

94/4491
APR 15 1003 55.0s 45.17S 166.79E 12km M=4.2
0.4 0.01 0.03 R
Rsd 0.1s 17ph/14stn Dmin 44km Az.gap 254°
Corr. 0.152 24M/18stn Msd 0.2 1↓

94/4502
APR 15 1555 55.5s 44.41S 168.18E 12km M=3.5
0.2 0.01 0.01 R
Rsd 0.2s 18ph/15stn Dmin 36km Az.gap 194°
Corr. -0.622 19M/15stn Msd 0.1

94/4503
APR 15 1614 02.2s 37.34S 179.97E 33km M=3.8
1.0 0.04 0.09 R
Rsd 0.3s 10ph/8stn Dmin 150km Az.gap 295°
Corr. 0.191 4M/4stn Msd 0.3

94/4507
APR 15 1659 19.0s 38.50S 175.93E 171km M=3.7
0.3 0.02 0.05 4
Rsd 0.1s 19ph/16stn Dmin 100km Az.gap 260°
Corr. -0.805 11M/11stn Msd 0.4

94/4509
APR 15 1751 06.7s 41.26S 173.36E 92km M=4.1
0.5 0.02 0.02 5
Rsd 0.3s 19ph/17stn Dmin 45km Az.gap 78°
Corr. 0.124 12M/8stn Msd 0.2 2↑ 4↓

94/4516
APR 15 2237 28.1s 37.08S 177.59E 282km M=3.9
0.9 0.09 0.10 8
Rsd 0.2s 14ph/14stn Dmin 203km Az.gap 317°
Corr. -0.457 13M/13stn Msd 0.3

94/4518
APR 16 0104 12.6s 40.12S 176.17E 71km M=3.6
0.2 0.01 0.02 2
Rsd 0.2s 30ph/25stn Dmin 23km Az.gap 113°
Corr. -0.340 17M/15stn Msd 0.2 8↑ 1↓

94/4523
APR 16 0629 14.4s 38.34S 175.88E 212km M=3.5
0.2 0.02 0.04 3
Rsd 0.1s 11ph/9stn Dmin 156km Az.gap 312°
Corr. -0.773 5M/5stn Msd 0.2

94/4552
APR 17 0054 18.0s 37.72S 177.06E 139km M=5.4
0.4 0.02 0.01 3
Rsd 0.2s 31ph/23stn Dmin 25km Az.gap 75°
Corr. 0.301 11M/8stn Msd 0.3 1↑
Felt Gisborne (45).

94/4569
APR 17 0940 16.5s 40.30S 173.57E 192km M=3.9
0.3 0.03 0.02 3
Rsd 0.2s 25ph/19stn Dmin 63km Az.gap 153°
Corr. -0.252 15M/14stn Msd 0.3 2↑ 2↓

94/4578
APR 17 1431 58.0s 38.16S 176.16E 150km M=3.6
0.7 0.05 0.05 9
Rsd 0.2s 10ph/8stn Dmin 110km Az.gap 218°
Corr. -0.626 12M/12stn Msd 0.3

94/4585
APR 17 1706 09.3s 38.13S 176.27E 183km M=3.5
0.6 0.04 0.06 5
Rsd 0.2s 16ph/14stn Dmin 106km Az.gap 284°
Corr. -0.807 10M/10stn Msd 0.2

94/4586
APR 17 1714 27.0s 37.30S 177.10E 276km M=3.6
1.5 0.49 0.13 78
Rsd 0.1s 6ph/5stn Dmin 375km Az.gap 346°
Corr. -0.620 1M/1stn Msd 0.0

94/4588
APR 17 1905 16.8s 41.44S 174.95E 30km M=3.6
0.1 0.01 0.01 1
Rsd 0.3s 23ph/19stn Dmin 18km Az.gap 129°
Corr. -0.544 18M/13stn Msd 0.2 5↑ 3↓
Felt Miramar, Waterloo (68), MM3.

94/4590
APR 17 1942 56.0s 38.27S 176.12E 223km M=3.5
2.0 0.41 0.93 47
Rsd 0.4s 12ph/10stn Dmin 104km Az.gap 284°
Corr. -0.977 7M/7stn Msd 0.2

94/4591
APR 17 2049 49.3s 33.99S 178.99W 368km M=4.3
0.4 0.08 0.06 10
Rsd 0.1s 11ph/10stn Dmin 516km Az.gap 342°
Corr. -0.525 11M/11stn Msd 0.4

94/4623
APR 18 0414 39.6s 37.44S 176.62E 189km M=3.9
0.7 0.07 0.06 5
Rsd 0.3s 11ph/9stn Dmin 100km Az.gap 271°
Corr. -0.562 12M/12stn Msd 0.2

94/4632
APR 18 0856 14.2s 43.10S 172.71E 29km M=3.7
0.5 0.02 0.02 6
Rsd 0.2s 17ph/12stn Dmin 67km Az.gap 135°
Corr. -0.670 34M/29stn Msd 0.2

94/4654
APR 18 1940 05.6s 37.82S 176.38E 192km M=4.2
0.4 0.03 0.02 4
Rsd 0.2s 19ph/15stn Dmin 69km Az.gap 177°
Corr. -0.227 18M/16stn Msd 0.1 1↑

94/4657
APR 18 2039 55.1s 39.10S 174.87E 207km M=4.2
0.5 0.02 0.02 4
Rsd 0.2s 38ph/31stn Dmin 46km Az.gap 93°
Corr. 0.072 20M/19stn Msd 0.2 1↑

94/4658
APR 18 2137 23.2s 39.51S 174.28E 201km M=3.7
0.4 0.01 0.04 4
Rsd 0.2s 23ph/18stn Dmin 109km Az.gap 157°
Corr. -0.069 12M/11stn Msd 0.2

94/4659
APR 18 2307 45.9s 36.81S 177.22E 255km M=3.8
0.3 0.06 0.06 4
Rsd 0.1s 11ph/7stn Dmin 130km Az.gap 280°
Corr. -0.776 4M/4stn Msd 0.2

94/4662
APR 19 0353 51.1s 45.12S 166.85E 12km M=3.9
0.7 0.02 0.06 R
Rsd 0.2s 17ph/14stn Dmin 45km Az.gap 253°
Corr. -0.544 27M/20stn Msd 0.2 1↓

94/4666
APR 19 0802 06.0s 38.83S 174.61E 199km M=3.5
0.8 0.08 0.15 19
Rsd 0.2s 11ph/7stn Dmin 212km Az.gap 239°
Corr. -0.972 7M/7stn Msd 0.2

94/4668
APR 19 1047 29.8s 37.93S 176.87E 153km M=3.6
0.4 0.08 0.04 5
Rsd 0.1s 5ph/3stn Dmin 42km Az.gap 284°
Corr. -0.720 1M/1stn Msd 0.0

94/4672
APR 19 1900 45.8s 38.24S 175.92E 201km M=4.6
0.5 0.03 0.03 4
Rsd 0.3s 27ph/22stn Dmin 51km Az.gap 174°
Corr. -0.290 14M/11stn Msd 0.3 7↑ 1↓

94/4673
APR 19 1913 24.4s 38.86S 175.43E 170km M=4.3
0.5 0.02 0.03 4
Rsd 0.3s 27ph/22stn Dmin 19km Az.gap 75°
Corr. -0.201 17M/14stn Msd 0.4

94/4676
APR 20 0323 58.6s 43.14S 173.91E 33km M=3.6
0.4 0.02 0.04 R
Rsd 0.3s 15ph/10stn Dmin 86km Az.gap 207°
Corr. -0.501 14M/12stn Msd 0.2 1↑

94/4678
APR 20 0740 23.8s 38.37S 177.19E 42km M=3.9
0.2 0.01 0.02 2
Rsd 0.2s 23ph/20stn Dmin 14km Az.gap 122°
Corr. -0.120 6M/6stn Msd 0.1 1↑ 1↓

94/4682
APR 20 1058 17.0s 37.98S 175.98E 175km M=3.9
0.6 0.07 0.18 10
Rsd 0.3s 7ph/4stn Dmin 104km Az.gap 280°
Corr. -0.909 1M/1stn Msd 0.0

94/4697
APR 21 1030 51.9s 37.36S 177.07E 199km M=3.6
0.5 0.06 0.09 3
Rsd 0.2s 12ph/10stn Dmin 100km Az.gap 250°
Corr. -0.911 5M/5stn Msd 0.1

94/4704
APR 21 1517 02.8s 35.91S 179.90W 33km M=3.7
0.3 0.03 0.05 R
Rsd 0.1s 5ph/3stn Dmin 247km Az.gap 349°
Corr. -0.774 1M/1stn Msd 0.0

94/4707
APR 21 1818 02.1s 38.39S 176.04E 167km M=3.7
0.5 0.02 0.03 4
Rsd 0.3s 14ph/10stn Dmin 70km Az.gap 109°
Corr. -0.066 11M/10stn Msd 0.2 1↑

94/4708
APR 21 1936 04.1s 36.04S 179.99E 12km M=3.6
0.1 0.00 0.01 R
Rsd 0.0s 6ph/4stn Dmin 230km Az.gap 324°
Corr. -0.228 2M/2stn Msd 0.0

94/4711
APR 21 2257 16.4s 38.58S 176.26E 89km M=3.8
0.3 0.01 0.01 3
Rsd 0.2s 24ph/19stn Dmin 22km Az.gap 89°
Corr. -0.404 9M/9stn Msd 0.1 1↓

94/4716
APR 22 0431 38.4s 38.73S 175.98E 105km M=3.9
0.4 0.01 0.02 4
Rsd 0.2s 17ph/13stn Dmin 49km Az.gap 105°
Corr. -0.333 12M/10stn Msd 0.2 1↑

94/4721
APR 22 1400 32.0s 37.48S 177.69E 85km M=4.1
0.4 0.02 0.02 4
Rsd 0.1s 24ph/21stn Dmin 45km Az.gap 170°
Corr. 0.355 12M/10stn Msd 0.2 1↓

94/4724
APR 22 1633 37.1s 37.42S 177.04E 12km M=3.6
0.3 0.02 0.02 R
Rsd 0.3s 7ph/4stn Dmin 93km Az.gap 182°
Corr. 0.555 2M/1stn Msd 0.4

94/4729
APR 22 1911 45.2s 38.32S 176.29E 224km M=3.7
0.9 0.39 0.29 50
Rsd 0.2s 7ph/5stn Dmin 264km Az.gap 350°
Corr. 0.414 2M/2stn Msd 0.1 1↑

94/4731
APR 22 1947 25.8s 37.97S 176.79E 95km M=3.7
0.5 0.10 0.07 7
Rsd 0.3s 11ph/8stn Dmin 43km Az.gap 209°
Corr. -0.941 3M/2stn Msd 0.2 1↑

94/4732
APR 22 1955 14.6s 40.26S 173.52E 191km M=4.2
0.3 0.01 0.02 3
Rsd 0.2s 35ph/25stn Dmin 69km Az.gap 146°
Corr. 0.107 15M/12stn Msd 0.2 1↑ 1↓

94/4741
APR 23 0122 13.3s 36.57S 177.13E 33km M=5.4
0.4 0.03 0.02 R
Rsd 0.2s 15ph/13stn Dmin 106km Az.gap 204°
Corr. 0.652 9M/5stn Msd 0.3 1↑
Felt Takapuna (16) and Coromandel(21).

94/4765
APR 23 1200 36.3s 38.20S 176.04E 190km M=3.6
0.2 0.02 0.04 2
Rsd 0.1s 15ph/12stn Dmin 94km Az.gap 220°
Corr. -0.897 8M/8stn Msd 0.1

94/4770
APR 23 1620 43.0s 38.05S 176.50E 157km M=4.2
0.5 0.02 0.02 4
Rsd 0.3s 24ph/19stn Dmin 12km Az.gap 127°
Corr. -0.131 14M/12stn Msd 0.3 1↑

94/4777
APR 23 2309 23.5s 36.60S 177.00E 12km M=3.8
0.7 0.05 0.03 R
Rsd 0.4s 6ph/3stn Dmin 116km Az.gap 245°
Corr. 0.579 3M/1stn Msd 0.1

94/4780
APR 24 0105 03.0s 37.85S 177.96E 66km M=3.5
0.2 0.01 0.01 2
Rsd 0.1s 10ph/8stn Dmin 36km Az.gap 169°
Corr. -0.646 2M/2stn Msd 0.3 1↑

94/4783
APR 24 0349 06.3s 38.59S 178.62E 33km M=3.7
0.4 0.02 0.04 R
Rsd 0.2s 11ph/9stn Dmin 66km Az.gap 234°
Corr. -0.631 11M/10stn Msd 0.2

94/4785
APR 24 0637 54.0s 36.55S 177.10E 12km M=4.6
0.4 0.03 0.02 R
Rsd 0.2s 12ph/10stn Dmin 109km Az.gap 204°
Corr. 0.633 14M/12stn Msd 0.3 1↑

94/4788
APR 24 0937 09.0s 38.15S 175.83E 128km M=3.5
0.3 0.04 0.06 4
Rsd 0.1s 14ph/11stn Dmin 113km Az.gap 233°
Corr. -0.988 6M/6stn Msd 0.2

94/4793
APR 24 1234 38.5s 41.42S 176.03E 15km M=3.5
1.4 0.04 0.09 7
Rsd 0.4s 19ph/14stn Dmin 25km Az.gap 226°
Corr. -0.785 22M/19stn Msd 0.2 1↑

94/4796
APR 24 1400 29.1s 39.54S 174.26E 208km M=3.7
0.6 0.02 0.04 6
Rsd 0.2s 24ph/20stn Dmin 112km Az.gap 157°
Corr. -0.267 13M/13stn Msd 0.2 1↑

94/4801
APR 24 1759 30.9s 36.39S 177.16E 33km M=3.8
0.5 0.03 0.02 R
Rsd 0.3s 9ph/5stn Dmin 135km Az.gap 250°
Corr. 0.499 4M/2stn Msd 0.2

94/4806
APR 25 0357 20.2s 37.55S 176.49E 226km M=4.5
0.6 0.03 0.03 5
Rsd 0.2s 14ph/12stn Dmin 87km Az.gap 130°
Corr. -0.016 13M/11stn Msd 0.2 1↑

94/4809
APR 25 0438 07.1s 36.66S 176.99E 12km M=4.0
0.5 0.04 0.03 R
Rsd 0.4s 8ph/5stn Dmin 114km Az.gap 217°
Corr. 0.640 3M/1stn Msd 0.2

94/4827
APR 25 1332 12.9s 41.30S 173.12E 104km M=3.7
0.4 0.02 0.02 3
Rsd 0.3s 26ph/16stn Dmin 54km Az.gap 114°
Corr. -0.268 13M/11stn Msd 0.2 2↑ 1↓

94/4829
APR 25 1503 02.0s 38.21S 175.17E 33km M=3.8
0.3 0.02 0.02 R
Rsd 0.2s 12ph/8stn Dmin 170km Az.gap 255°
Corr. -0.812 7M/6stn Msd 0.2

94/4830
APR 25 1619 36.5s 38.29S 176.21E 156km M=3.9
0.3 0.02 0.02 3
Rsd 0.2s 12ph/8stn Dmin 71km Az.gap 117°
Corr. -0.277 12M/11stn Msd 0.3 1↑

94/4836
APR 25 1849 20.8s 38.02S 176.47E 161km M=4.1
0.3 0.02 0.02 3
Rsd 0.2s 15ph/12stn Dmin 30km Az.gap 99°
Corr. -0.477 12M/12stn Msd 0.3 1↑

94/4840
APR 26 0102 19.9s 40.60S 174.41E 75km M=3.8
0.2 0.01 0.01 4
Rsd 0.3s 36ph/26stn Dmin 47km Az.gap 84°
Corr. 0.032 15M/12stn Msd 0.1 1↑ 4↓

94/4841
APR 26 0126 15.8s 38.40S 176.43E 123km M=4.8
0.2 0.01 0.01 2
Rsd 0.2s 47ph/36stn Dmin 15km Az.gap 47°
Corr. 0.203 22M/18stn Msd 0.2 20↑ 11↓

94/4844
APR 26 0414 31.6s 36.44S 177.13E 33km M=4.2
0.7 0.07 0.03 R
Rsd 0.4s 7ph/5stn Dmin 131km Az.gap 248°
Corr. 0.514 5M/3stn Msd 0.3

94/4846
APR 26 0554 40.2s 37.42S 177.00E 5km M=3.7
0.1 0.01 0.02 R
Rsd 0.2s 6ph/4stn Dmin 94km Az.gap 157°
Corr. 0.591 4M/2stn Msd 0.1

94/4849
APR 26 0727 23.2s 38.62S 176.12E 290km M=3.6
0.9 0.09 0.15 8
Rsd 0.2s 13ph/11stn Dmin 119km Az.gap 292°
Corr. -0.718 5M/5stn Msd 0.1

94/4851
APR 26 0759 08.4s 36.53S 177.11E 12km M=4.0
0.5 0.05 0.03 R
Rsd 0.4s 6ph/4stn Dmin 127km Az.gap 240°
Corr. 0.576 4M/2stn Msd 0.4

94/4861
APR 26 1142 07.0s 36.72S 176.99E 12km M=3.9
0.5 0.04 0.04 R
Rsd 0.3s 6ph/4stn Dmin 114km Az.gap 215°
Corr. 0.472 3M/1stn Msd 0.2

94/4879
APR 26 2115 59.3s 40.64S 176.40E 25km M=3.3
0.2 0.01 0.02 1
Rsd 0.2s 23ph/19stn Dmin 11km Az.gap 218°
Corr. -0.454 14M/12stn Msd 0.2 1↑
Felt Pongaroa (67) MM3.

94/4882
APR 27 0033 13.2s 36.64S 177.05E 5km M=4.3
0.5 0.04 0.03 R
Rsd 0.4s 12ph/9stn Dmin 100km Az.gap 198°
Corr. 0.608 7M/5stn Msd 0.4

94/4884
APR 27 0211 26.9s 38.37S 177.20E 42km M=3.9
0.1 0.01 0.01 2
Rsd 0.2s 29ph/25stn Dmin 14km Az.gap 76°
Corr. 0.101 17M/15stn Msd 0.2 2↑ 3↓

94/4897
APR 27 0843 48.0s 36.44S 177.11E 33km M=4.2
0.7 0.05 0.04 R
Rsd 0.4s 10ph/6stn Dmin 129km Az.gap 247°
Corr. 0.608 5M/3stn Msd 0.2

94/4899
APR 27 0920 17.7s 37.07S 177.81E 63km M=4.5
0.8 0.04 0.04 9
Rsd 0.3s 20ph/16stn Dmin 72km Az.gap 207°
Corr. 0.592 21M/18stn Msd 0.2 1↑ 8↓

94/4906
APR 27 1126 09.9s 37.68S 176.64E 148km M=3.6
0.5 0.02 0.02 6
Rsd 0.2s 14ph/11stn Dmin 76km Az.gap 125°
Corr. 0.237 12M/12stn Msd 0.1 1↑

94/4917
APR 27 1919 39.7s 37.13S 176.54E 296km M=4.0
0.6 0.07 0.07 5
Rsd 0.2s 12ph/10stn Dmin 136km Az.gap 266°
Corr. -0.430 15M/15stn Msd 0.3

94/4938
APR 28 0508 25.4s 41.22S 172.79E 193km M=3.8
0.4 0.02 0.03 3
Rsd 0.3s 25ph/18stn Dmin 49km Az.gap 122°
Corr. -0.234 13M/13stn Msd 0.3 1↑

94/4942
APR 28 0809 52.5s 35.11S 178.46E 239km M=3.5
1.1 0.21 0.49 22
Rsd 0.2s 9ph/8stn Dmin 276km Az.gap 338°
Corr. -0.887 4M/4stn Msd 0.1

94/4950
APR 28 1408 01.2s 38.20S 178.34E 19km M=3.5
0.8 0.05 0.05 3
Rsd 0.2s 13ph/11stn Dmin 16km Az.gap 223°
Corr. -0.841 8M/8stn Msd 0.2 1↓

94/5001
APR 29 1620 11.3s 47.37S 165.64E 33km M=3.6
1.1 0.07 0.11 R
Rsd 0.4s 9ph/6stn Dmin 197km Az.gap 314°
Corr. 0.087 5M/5stn Msd 0.2

94/5059
MAY 01 1208 21.3s 36.31S 179.92W 12km M=3.7
0.2 0.01 0.02 R
Rsd 0.1s 11ph/8stn Dmin 214km Az.gap 313°
Corr. 0.070 5M/5stn Msd 0.1

94/5066
MAY 01 1436 12.1s 41.07S 174.54E 66km M=3.7
0.1 0.01 0.01 2
Rsd 0.2s 41ph/30stn Dmin 22km Az.gap 65°
Corr. -0.307 17M/14stn Msd 0.2 8↑ 4↓

94/5072
MAY 01 2007 02.0s 38.55S 175.66E 172km M=4.2
0.3 0.03 0.04 3
Rsd 0.1s 18ph/15stn Dmin 51km Az.gap 136°
Corr. 0.344 16M/16stn Msd 0.3 5↑ 2↓

94/5086
MAY 02 0755 58.8s 40.54S 173.83E 102km M=3.6
0.2 0.01 0.01 3
Rsd 0.2s 37ph/27stn Dmin 30km Az.gap 111°
Corr. 0.211 10M/10stn Msd 0.2 1↑

94/5097
MAY 02 2029 07.5s 39.01S 174.99E 218km M=3.9
0.6 0.02 0.03 5
Rsd 0.2s 28ph/23stn Dmin 35km Az.gap 105°
Corr. 0.246 15M/14stn Msd 0.2 1↑

94/5103
MAY 03 0328 05.5s 37.90S 176.35E 153km M=3.7
0.6 0.05 0.05 5
Rsd 0.3s 11ph/9stn Dmin 78km Az.gap 227°
Corr. -0.707 12M/12stn Msd 0.1 1↑

94/5104
MAY 03 0403 58.4s 38.34S 179.70E 12km M=3.9
0.6 0.03 0.05 R
Rsd 0.2s 10ph/7stn Dmin 130km Az.gap 280°
Corr. 0.365 8M/6stn Msd 0.2

94/5105
MAY 03 0510 05.3s 38.34S 179.70E 12km M=3.9
0.9 0.04 0.08 R
Rsd 0.4s 10ph/7stn Dmin 130km Az.gap 280°
Corr. 0.297 11M/9stn Msd 0.2

94/5107
MAY 03 0718 26.0s 36.80S 177.24E 12km M=3.8
0.7 0.07 0.05 R
Rsd 0.5s 7ph/4stn Dmin 130km Az.gap 222°
Corr. 0.745 4M/2stn Msd 0.2

94/5109
MAY 03 0729 17.7s 46.00S 170.30E 12km M=3.7
0.4 0.03 0.02 R
Rsd 0.2s 21ph/17stn Dmin 52km Az.gap 202°
Corr. -0.604 16M/9stn Msd 0.3 1↓
Felt Dunedin area.

94/5112
MAY 03 1119 21.1s 38.09S 176.26E 187km M=4.1
1.1 0.05 0.05 8
Rsd 0.4s 13ph/10stn Dmin 63km Az.gap 142°
Corr. 0.229 15M/15stn Msd 0.3 1↓

94/5114
MAY 03 1309 28.3s 40.13S 173.77E 136km M=3.7
0.3 0.01 0.02 4
Rsd 0.3s 33ph/22stn Dmin 76km Az.gap 136°
Corr. -0.075 13M/13stn Msd 0.2 1↑

94/5122
MAY 03 2322 38.8s 36.55S 177.86E 312km M=3.8
0.6 0.27 0.06 44
Rsd 0.0s 8ph/7stn Dmin 498km Az.gap 351°
Corr. -0.111 3M/3stn Msd 0.1

94/5124
MAY 04 0106 16.6s 40.07S 176.90E 30km M=3.7
0.2 0.01 0.02 2
Rsd 0.2s 31ph/24stn Dmin 45km Az.gap 178°
Corr. -0.585 28M/26stn Msd 0.2 1↑
Felt Mt Vernon (60) MM3.

94/5128
MAY 04 0235 19.7s 38.00S 176.14E 172km M=4.0
0.5 0.05 0.05 4
Rsd 0.2s 10ph/8stn Dmin 90km Az.gap 227°
Corr. -0.800 15M/13stn Msd 0.2

94/5153
MAY 05 0552 59.6s 38.00S 176.48E 140km M=4.0
0.5 0.02 0.02 5
Rsd 0.3s 14ph/10stn Dmin 79km Az.gap 101°
Corr. 0.026 18M/16stn Msd 0.3 1↑ 2↓

94/5163
MAY 05 1645 22.6s 38.71S 177.43E 27km M=3.5
0.1 0.01 0.01 2
Rsd 0.2s 23ph/19stn Dmin 36km Az.gap 97°
Corr. 0.308 19M/19stn Msd 0.3

94/5170
MAY 06 0008 14.0s 41.38S 172.87E 119km M=3.7
0.4 0.02 0.03 3
Rsd 0.3s 28ph/20stn Dmin 42km Az.gap 132°
Corr. -0.018 11M/11stn Msd 0.1 1↑

94/5173
MAY 06 0357 21.1s 41.24S 175.02E 22km M=3.3
0.1 0.01 0.01 1
Rsd 0.2s 19ph/16stn Dmin 5km Az.gap 63°
Corr. 0.009 14M/13stn Msd 0.2 4↑ 5↓
Felt Wellington (68).

94/5176
MAY 06 0555 52.3s 43.48S 171.48E 5km M=4.7
0.1 0.01 0.01 R
Rsd 0.2s 20ph/15stn Dmin 51km Az.gap 111°
Corr. -0.207 22M/12stn Msd 0.2 1↑ 2↓
Felt central Canterbury, maximum intensity MM5 at Lake Coleridge (100).

94/5181
MAY 06 0625 18.0s 37.35S 177.57E 99km M=3.6
0.4 0.03 0.02 5
Rsd 0.2s 10ph/8stn Dmin 71km Az.gap 222°
Corr. 0.182 14M/14stn Msd 0.2 1↑

94/5182
MAY 06 0638 10.2s 39.97S 176.87E 34km M=3.7
0.1 0.01 0.01 4
Rsd 0.1s 30ph/24stn Dmin 34km Az.gap 172°
Corr. -0.667 17M/15stn Msd 0.2 1↓
Felt Waipawa (60).

94/5197
MAY 06 1110 34.6s 45.11S 167.42E 93km M=3.7
0.3 0.01 0.02 2
Rsd 0.2s 22ph/17stn Dmin 45km Az.gap 193°
Corr. -0.381 8M/4stn Msd 0.1 3↑ 3↓

94/5198
MAY 06 1229 54.5s 40.29S 173.60E 157km M=3.8
0.3 0.03 0.02 3
Rsd 0.3s 27ph/18stn Dmin 62km Az.gap 177°
Corr. -0.137 12M/12stn Msd 0.4 4↑ 1↓

94/5210
MAY 06 1757 07.2s 38.32S 175.83E 175km M=3.6
0.5 0.03 0.03 5
Rsd 0.2s 12ph/8stn Dmin 98km Az.gap 220°
Corr. -0.065 15M/15stn Msd 0.3

94/5216
MAY 06 2312 46.1s 35.36S 179.03E 260km M=4.6
0.6 0.05 0.04 7
Rsd 0.1s 17ph/16stn Dmin 257km Az.gap 326°
Corr. 0.105 18M/16stn Msd 0.3

94/5217
MAY 06 2341 42.6s 39.01S 175.09E 206km M=4.1
0.4 0.02 0.02 3
Rsd 0.2s 35ph/30stn Dmin 27km Az.gap 86°
Corr. 0.166 20M/18stn Msd 0.2 1↑

94/5231
MAY 07 0707 45.4s 34.09S 179.69E 229km M=4.7
0.2 0.07 0.16 9
Rsd 0.1s 13ph/10stn Dmin 409km Az.gap 343°
Corr. -0.973 14M/12stn Msd 0.3

94/5233
MAY 07 0808 07.2s 40.96S 172.97E 205km M=3.7
0.5 0.02 0.03 4
Rsd 0.3s 25ph/18stn Dmin 40km Az.gap 93°
Corr. -0.062 14M/13stn Msd 0.2

94/5234
MAY 07 0830 35.4s 37.44S 177.41E 130km M=4.1
0.3 0.02 0.01 3
Rsd 0.1s 19ph/15stn Dmin 81km Az.gap 163°
Corr. 0.192 19M/17stn Msd 0.3 1↑ 2↓

94/5237
MAY 07 1003 49.0s 41.24S 172.73E 190km M=4.2
0.4 0.02 0.02 3
Rsd 0.2s 31ph/22stn Dmin 49km Az.gap 115°
Corr. -0.269 20M/17stn Msd 0.3 2↑

94/5282
MAY 08 1101 51.3s 40.34S 173.44E 160km M=3.7
0.2 0.01 0.01 2
Rsd 0.2s 37ph/27stn Dmin 66km Az.gap 145°
Corr. 0.135 17M/15stn Msd 0.2 3↑ 2↓

94/5290
MAY 08 1451 10.4s 38.90S 174.93E 240km M=3.7
0.4 0.02 0.04 3
Rsd 0.1s 19ph/14stn Dmin 46km Az.gap 128°
Corr. 0.516 14M/14stn Msd 0.2

94/5291
MAY 08 1530 45.3s 37.39S 176.99E 209km M=3.8
0.9 0.07 0.12 12
Rsd 0.3s 11ph/9stn Dmin 118km Az.gap 247°
Corr. -0.844 15M/15stn Msd 0.3

94/5315
MAY 09 0608 40.4s 37.56S 179.14E 25km M=3.9
0.4 0.01 0.03 3
Rsd 0.2s 12ph/8stn Dmin 74km Az.gap 280°
Corr. -0.092 17M/16stn Msd 0.2

94/5318
MAY 09 0805 21.3s 41.35S 172.88E 107km M=4.4
0.4 0.02 0.02 4
Rsd 0.3s 28ph/21stn Dmin 46km Az.gap 106°
Corr. -0.466 19M/15stn Msd 0.2 3↑ 3↓

94/5341
MAY 10 0145 13.6s 40.38S 175.74E 60km M=4.7
0.1 0.01 0.01 2
Rsd 0.2s 44ph/37stn Dmin 34km Az.gap 71°
Corr. -0.381 13M/9stn Msd 0.4 6↑ 11↓
Felt Ohakune (49) to Wellington (68).

94/5342
MAY 10 0149 10.1s 38.53S 175.13E 12km M=3.7
0.1 0.01 0.01 R
Rsd 0.0s 5ph/3stn Dmin 168km Az.gap 315°
Corr. -0.152 1M/1stn Msd 0.0

94/5344
MAY 10 0303 33.4s 40.36S 175.70E 57km M=3.5
0.1 0.01 0.02 2
Rsd 0.2s 26ph/21stn Dmin 35km Az.gap 83°
Corr. -0.414 15M/12stn Msd 0.2 1↑ 3↓

94/5348
MAY 10 0820 07.0s 37.54S 179.27E 33km M=3.8
1.4 0.06 0.13 R
Rsd 0.5s 5ph/4stn Dmin 86km Az.gap 297°
Corr. -0.058 2M/2stn Msd 0.0

94/5360
MAY 10 2132 57.2s 36.96S 177.15E 12km M=4.2
0.3 0.03 0.02 R
Rsd 0.2s 10ph/7stn Dmin 63km Az.gap 202°
Corr. 0.808 8M/5stn Msd 0.3

94/5365
MAY 11 0318 42.4s 38.64S 175.76E 167km M=4.0
0.6 0.02 0.02 6
Rsd 0.1s 18ph/16stn Dmin 44km Az.gap 155°
Corr. 0.284 17M/15stn Msd 0.2 1↑

94/5376
MAY 11 0951 43.0s 37.94S 177.10E 79km M=4.5
0.2 0.01 0.01 2
Rsd 0.1s 25ph/23stn Dmin 35km Az.gap 61°
Corr. 0.081 21M/18stn Msd 0.2 1↑

94/5378
MAY 11 1120 25.0s 39.84S 174.03E 186km M=4.4
0.4 0.01 0.02 3
Rsd 0.2s 46ph/35stn Dmin 50km Az.gap 123°
Corr. -0.155 19M/15stn Msd 0.2 1↑

94/5395
MAY 11 2343 44.3s 41.21S 172.83E 153km M=3.7
0.5 0.02 0.03 3
Rsd 0.3s 24ph/17stn Dmin 49km Az.gap 115°
Corr. -0.005 12M/11stn Msd 0.2 1↑

94/5403
MAY 12 0751 15.0s 37.97S 175.02E 33km M=3.6
0.4 0.03 0.03 R
Rsd 0.2s 11ph/8stn Dmin 284km Az.gap 263°
Corr. -0.646 1M/1stn Msd 0.0

94/5407
MAY 12 1233 53.6s 41.78S 173.11E 94km M=4.1
0.3 0.01 0.02 3
Rsd 0.3s 27ph/18stn Dmin 17km Az.gap 65°
Corr. -0.132 19M/15stn Msd 0.3 4↑ 6↓

94/5426
MAY 13 0948 30.3s 38.43S 175.87E 168km M=4.1
0.4 0.01 0.02 3
Rsd 0.1s 18ph/14stn Dmin 67km Az.gap 113°
Corr. 0.213 15M/13stn Msd 0.3 1↑

94/5440
MAY 13 1829 31.7s 39.48S 174.41E 246km M=4.0
0.4 0.01 0.02 3
Rsd 0.2s 31ph/26stn Dmin 32km Az.gap 79°
Corr. 0.176 15M/14stn Msd 0.2 1↑

94/5441
MAY 13 1901 46.9s 39.28S 174.83E 27km M=3.6
0.1 0.01 0.00 1
Rsd 0.2s 31ph/26stn Dmin 55km Az.gap 76°
Corr. -0.125 22M/16stn Msd 0.3 1↑

94/5452
MAY 14 0105 53.2s 46.23S 166.08E 12km M=4.3
0.7 0.03 0.08 R
Rsd 0.4s 18ph/16stn Dmin 119km Az.gap 286°
Corr. -0.064 10M/6stn Msd 0.2

94/5462
MAY 14 0525 49.3s 37.91S 176.63E 157km M=4.0
0.5 0.02 0.02 4
Rsd 0.2s 23ph/19stn Dmin 9km Az.gap 93°
Corr. -0.006 14M/14stn Msd 0.2 1↑

94/5470
MAY 14 1056 31.8s 41.33S 174.85E 51km M=4.3
0.1 0.01 0.01 1
Rsd 0.1s 31ph/25stn Dmin 8km Az.gap 106°
Corr. -0.214 13M/9stn Msd 0.3 3↑ 8↓
Felt Kapiti Coast (65) to Fighting Bay (78), maximum intensity MM4.

94/5473
MAY 14 1246 34.3s 38.51S 178.25E 31km M=3.6
0.4 0.02 0.04 5
Rsd 0.2s 14ph/13stn Dmin 48km Az.gap 215°
Corr. -0.369 21M/21stn Msd 0.2 1↑

94/5488
MAY 15 0448 03.1s 37.74S 179.11E 324km M=3.8
0.6 0.16 0.22 5
Rsd 0.1s 10ph/9stn Dmin 84km Az.gap 334°
Corr. -0.958 1M/1stn Msd 0.0

94/5490
MAY 15 0513 32.4s 38.81S 177.23E 31km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 27ph/22stn Dmin 16km Az.gap 79°
Corr. 0.001 19M/19stn Msd 0.2

94/5499
MAY 15 1446 23.0s 45.26S 166.81E 12km M=3.6
0.3 0.01 0.03 R
Rsd 0.1s 19ph/16stn Dmin 35km Az.gap 263°
Corr. 0.329 8M/4stn Msd 0.1 1↓

94/5505
MAY 16 0020 09.3s 37.36S 175.62E 213km M=3.9
1.7 0.18 0.30 40
Rsd 0.3s 11ph/9stn Dmin 208km Az.gap 302°
Corr. -0.875 8M/8stn Msd 0.1

94/5509
MAY 16 0459 27.9s 37.69S 177.76E 309km M=3.8
1.4 0.47 0.72 20
Rsd 0.3s 10ph/9stn Dmin 61km Az.gap 278°
Corr. -0.991 3M/3stn Msd 0.2

94/5510
MAY 16 0746 24.4s 39.59S 174.26E 142km M=3.8
0.4 0.01 0.03 4
Rsd 0.2s 20ph/15stn Dmin 115km Az.gap 193°
Corr. -0.483 7M/7stn Msd 0.3

94/5513
MAY 16 1143 22.5s 38.65S 176.22E 86km M=3.6
0.6 0.03 0.03 9
Rsd 0.3s 11ph/8stn Dmin 70km Az.gap 206°
Corr. 0.023 9M/9stn Msd 0.1

94/5515
MAY 16 1439 07.2s 38.93S 174.94E 253km M=3.6
0.5 0.03 0.05 4
Rsd 0.2s 18ph/15stn Dmin 61km Az.gap 209°
Corr. -0.371 10M/10stn Msd 0.1

94/5516
MAY 16 1536 19.5s 38.33S 176.32E 218km M=3.6
1.1 0.10 0.15 9
Rsd 0.3s 13ph/11stn Dmin 87km Az.gap 279°
Corr. -0.801 8M/8stn Msd 0.1 1↑

94/5522
MAY 17 0230 10.2s 38.36S 175.96E 176km M=3.6
0.5 0.03 0.03 4
Rsd 0.2s 21ph/17stn Dmin 80km Az.gap 266°
Corr. 0.069 8M/8stn Msd 0.2 2↑ 1↓

94/5527
MAY 17 0912 21.5s 45.08S 167.41E 93km M=3.5
0.3 0.01 0.02 2
Rsd 0.2s 23ph/17stn Dmin 48km Az.gap 197°
Corr. -0.336 24M/18stn Msd 0.1 1↑ 6↓

94/5533
MAY 17 1521 29.4s 38.52S 177.29E 246km M=3.6
1.5 0.73 1.21 25
Rsd 0.3s 6ph/4stn Dmin 43km Az.gap 200°
Corr. -0.995 9M/9stn Msd 0.1

94/5542
MAY 17 2035 22.7s 38.55S 177.93E 29km M=3.7
0.2 0.01 0.03 5
Rsd 0.3s 15ph/14stn Dmin 60km Az.gap 156°
Corr. -0.579 15M/14stn Msd 0.2

94/5544
MAY 18 0051 19.2s 40.46S 176.17E 27km M=3.5
0.1 0.01 0.02 2
Rsd 0.2s 25ph/20stn Dmin 19km Az.gap 124°
Corr. -0.519 20M/16stn Msd 0.2 3↑ 3↓
Felt Pongaroa (67) MM4.

94/5547
MAY 18 0259 43.7s 38.52S 176.76E 318km M=3.7
0.9 0.28 0.41 12
Rsd 0.3s 8ph/5stn Dmin 46km Az.gap 180°
Corr. -0.982 12M/12stn Msd 0.2

94/5555
MAY 18 0623 41.3s 41.41S 172.32E 5km M=3.6
0.3 0.01 0.03 R
Rsd 0.3s 15ph/10stn Dmin 62km Az.gap 168°
Corr. 0.015 24M/18stn Msd 0.2 1↑

94/5556
MAY 18 0631 08.6s 37.13S 177.46E 12km M=3.7
0.4 0.06 0.04 R
Rsd 0.3s 5ph/3stn Dmin 91km Az.gap 201°
Corr. 0.895 4M/2stn Msd 0.4

94/5567
MAY 18 1146 56.4s 38.77S 175.24E 230km M=3.7
0.1 0.01 0.02 2
Rsd 0.0s 15ph/12stn Dmin 54km Az.gap 200°
Corr. -0.322 11M/10stn Msd 0.2

94/5571
MAY 18 1247 23.0s 43.45S 171.45E 15km M=2.9
0.1 0.01 0.01 3
Rsd 0.2s 10ph/6stn Dmin 49km Az.gap 142°
Corr. -0.254 3M/3stn Msd 0.2 1↑
Felt Coleridge (100) MM4.

94/5574
MAY 18 1741 33.4s 36.74S 179.86E 12km M=4.1
1.0 0.06 0.07 R
Rsd 0.3s 10ph/7stn Dmin 168km Az.gap 303°
Corr. 0.355 6M/6stn Msd 0.2

94/5602
MAY 20 0332 19.3s 38.35S 176.12E 176km M=3.7
0.9 0.06 0.08 11
Rsd 0.4s 20ph/16stn Dmin 99km Az.gap 200°
Corr. -0.817 7M/7stn Msd 0.2 1↑

94/5622
MAY 21 0528 36.8s 36.05S 178.39E 216km M=4.3
0.3 0.04 0.03 5
Rsd 0.1s 12ph/11stn Dmin 172km Az.gap 313°
Corr. -0.147 15M/15stn Msd 0.3

94/5623
MAY 21 0553 03.4s 44.61S 168.17E 79km M=4.2
0.5 0.02 0.03 4
Rsd 0.3s 22ph/17stn Dmin 21km Az.gap 152°
Corr. -0.340 8M/4stn Msd 0.2 2↑ 6↓

94/5640
MAY 21 2040 42.4s 39.66S 174.11E 198km M=3.6
0.5 0.03 0.04 6
Rsd 0.2s 16ph/11stn Dmin 128km Az.gap 193°
Corr. -0.361 13M/12stn Msd 0.3

94/5652
MAY 22 0333 29.8s 40.83S 175.40E 23km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 28ph/22stn Dmin 24km Az.gap 110°
Corr. -0.393 25M/20stn Msd 0.2 1↑

94/5657
MAY 22 0613 13.5s 37.15S 176.97E 198km M=3.6
3.5 0.15 0.20 32
Rsd 0.4s 11ph/10stn Dmin 128km Az.gap 262°
Corr. -0.631 10M/10stn Msd 0.1

94/5660
MAY 22 0710 20.2s 38.22S 177.59E 57km M=4.2
0.3 0.01 0.01 4
Rsd 0.2s 29ph/25stn Dmin 42km Az.gap 93°
Corr. 0.252 19M/17stn Msd 0.2

94/5664
MAY 22 1031 41.7s 41.39S 173.68E 71km M=4.1
0.3 0.01 0.02 5
Rsd 0.3s 20ph/16stn Dmin 54km Az.gap 94°
Corr. -0.463 13M/10stn Msd 0.2 1↓
Felt Blenheim (77).

94/5669
MAY 22 1303 42.1s 44.30S 167.61E 5km M=3.5
0.3 0.01 0.04 R
Rsd 0.1s 15ph/13stn Dmin 48km Az.gap 236°
Corr. 0.046 18M/14stn Msd 0.2
Felt Cromwell (133) MM4.

94/5676
MAY 22 1722 54.5s 38.54S 175.71E 198km M=3.6
0.4 0.02 0.04 4
Rsd 0.2s 20ph/16stn Dmin 53km Az.gap 215°
Corr. -0.106 15M/15stn Msd 0.3 1↑

94/5681
MAY 22 1945 29.8s 44.88S 167.62E 72km M=3.5
0.3 0.01 0.03 3
Rsd 0.2s 18ph/13stn Dmin 34km Az.gap 239°
Corr. -0.443 18M/14stn Msd 0.2 1↓

94/5686
MAY 23 0747 52.7s 37.29S 177.48E 184km M=3.7
1.3 0.11 0.27 20
Rsd 0.3s 6ph/3stn Dmin 81km Az.gap 284°
Corr. -0.900 1M/1stn Msd 0.0

94/5692
MAY 23 1549 59.7s 37.71S 178.20E 72km M=4.3
0.2 0.01 0.01 2
Rsd 0.1s 22ph/18stn Dmin 15km Az.gap 134°
Corr. 0.326 15M/13stn Msd 0.2 1↓

94/5693
MAY 23 1727 21.2s 39.02S 175.27E 160km M=3.7
0.3 0.02 0.02 2
Rsd 0.2s 28ph/22stn Dmin 11km Az.gap 192°
Corr. 0.087 16M/16stn Msd 0.3

94/5702
MAY 23 2223 10.7s 36.30S 177.81E 178km M=3.8
0.9 0.06 0.13 11
Rsd 0.2s 10ph/8stn Dmin 150km Az.gap 315°
Corr. -0.592 5M/5stn Msd 0.2

94/5708
MAY 24 0413 46.3s 36.30S 176.75E 33km M=4.7
0.6 0.04 0.03 R
Rsd 0.1s 11ph/8stn Dmin 199km Az.gap 296°
Corr. -0.468 9M/9stn Msd 0.3

94/5709
MAY 24 0415 24.8s 37.74S 176.02E 212km M=3.9
1.9 0.15 0.22 28
Rsd 0.5s 10ph/7stn Dmin 153km Az.gap 258°
Corr. -0.880 5M/5stn Msd 0.1

94/5714
MAY 24 0858 52.6s 37.70S 176.39E 155km M=3.8
1.4 0.10 0.14 27
Rsd 0.4s 14ph/12stn Dmin 169km Az.gap 243°
Corr. -0.882 15M/15stn Msd 0.3

94/5715
MAY 24 1010 34.9s 37.22S 177.53E 163km M=3.5
1.5 0.11 0.14 11
Rsd 0.3s 8ph/7stn Dmin 80km Az.gap 274°
Corr. -0.391 6M/6stn Msd 0.1

94/5730
MAY 24 2255 08.1s 38.00S 176.79E 5km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 12ph/11stn Dmin 10km Az.gap 107°
Corr. 0.342 9M/8stn Msd 0.4

94/5731
MAY 25 0126 16.3s 44.89S 173.93E 12km M=4.1
0.3 0.01 0.03 R
Rsd 0.2s 25ph/20stn Dmin 167km Az.gap 229°
Corr. -0.609 9M/5stn Msd 0.1

94/5732
MAY 25 0326 55.1s 37.85S 176.76E 161km M=3.7
0.5 0.02 0.02 4
Rsd 0.1s 10ph/7stn Dmin 102km Az.gap 171°
Corr. -0.153 12M/12stn Msd 0.2

94/5738
MAY 25 0725 03.4s 37.87S 177.01E 126km M=3.5
0.3 0.01 0.01 2
Rsd 0.1s 10ph/5stn Dmin 109km Az.gap 165°
Corr. -0.103 3M/3stn Msd 0.2

94/5743
MAY 25 1121 52.8s 38.32S 176.82E 226km M=3.5
0.6 0.11 0.19 9
Rsd 0.2s 10ph/8stn Dmin 64km Az.gap 210°
Corr. -0.977 5M/5stn Msd 0.2

94/5745
MAY 25 1154 56.7s 37.74S 175.92E 33km M=3.8
0.5 0.04 0.04 R
Rsd 0.2s 9ph/7stn Dmin 210km Az.gap 251°
Corr. -0.891 5M/5stn Msd 0.2

94/5746
MAY 25 1202 38.7s 37.37S 177.03E 5km M=4.4
0.4 0.03 0.02 R
Rsd 0.4s 16ph/14stn Dmin 22km Az.gap 156°
Corr. 0.090 15M/13stn Msd 0.3 1↓

94/5757
MAY 25 2100 41.7s 38.76S 175.68E 142km M=3.6
0.3 0.02 0.02 2
Rsd 0.1s 11ph/7stn Dmin 40km Az.gap 263°
Corr. 0.278 14M/14stn Msd 0.4 1↑

94/5759
MAY 25 2222 54.1s 36.90S 177.14E 12km M=3.8
0.4 0.05 0.03 R
Rsd 0.5s 8ph/5stn Dmin 128km Az.gap 195°
Corr. 0.687 6M/4stn Msd 0.3

94/5761
MAY 26 0214 13.6s 36.73S 177.17E 33km M=3.7
0.4 0.04 0.03 R
Rsd 0.3s 6ph/3stn Dmin 130km Az.gap 225°
Corr. 0.328 4M/2stn Msd 0.2

94/5763
MAY 26 0220 28.1s 39.42S 174.77E 141km M=3.7
0.3 0.01 0.03 3
Rsd 0.1s 21ph/16stn Dmin 67km Az.gap 183°
Corr. -0.121 12M/12stn Msd 0.3 1↑ 1↓

94/5782
MAY 26 2222 34.4s 37.13S 176.72E 225km M=4.3
0.3 0.01 0.01 3
Rsd 0.1s 10ph/8stn Dmin 150km Az.gap 170°
Corr. 0.658 18M/16stn Msd 0.2

94/5786
MAY 27 0219 30.1s 41.12S 173.19E 155km M=4.0
0.2 0.01 0.02 2
Rsd 0.2s 24ph/16stn Dmin 65km Az.gap 215°
Corr. -0.564 16M/13stn Msd 0.3 1↑

94/5790
MAY 27 0537 37.8s 37.43S 176.96E 5km M=3.6
0.6 0.19 0.14 R
Rsd 0.8s 6ph/4stn Dmin 23km Az.gap 182°
Corr. 0.963 4M/2stn Msd 0.6

94/5798
MAY 27 1123 44.5s 39.76S 177.16E 53km M=3.9
0.2 0.01 0.02 2
Rsd 0.2s 34ph/29stn Dmin 26km Az.gap 191°
Corr. -0.651 17M/15stn Msd 0.3 2↑ 1↓
Felt Napier (60).

94/5800
MAY 27 1707 38.4s 39.28S 175.00E 131km M=3.6
0.4 0.04 0.05 9
Rsd 0.1s 14ph/13stn Dmin 126km Az.gap 224°
Corr. -0.886 12M/12stn Msd 0.3

94/5804
MAY 27 2309 50.3s 37.64S 176.07E 215km M=3.7
1.9 0.30 0.55 52
Rsd 0.6s 10ph/6stn Dmin 160km Az.gap 247°
Corr. -0.976 5M/5stn Msd 0.1

94/5812
MAY 28 1155 19.4s 38.09S 176.12E 174km M=3.5
0.8 0.09 0.21 18
Rsd 0.2s 10ph/7stn Dmin 118km Az.gap 293°
Corr. -0.911 5M/5stn Msd 0.2

94/5813
MAY 28 1718 50.9s 43.08S 171.69E 5km M=3.4
0.1 0.01 0.01 R
Rsd 0.2s 10ph/7stn Dmin 58km Az.gap 161°
Corr. -0.342 11M/8stn Msd 0.2 1↑ 1↓
Felt Cass (100) MM5.

94/5817
MAY 29 0047 19.7s 45.12S 167.55E 113km M=3.6
0.5 0.02 0.04 4
Rsd 0.2s 18ph/14stn Dmin 58km Az.gap 231°
Corr. -0.194 20M/16stn Msd 0.2

94/5818
MAY 29 0247 22.6s 38.41S 176.00E 153km M=4.5
0.4 0.02 0.02 4
Rsd 0.2s 17ph/14stn Dmin 77km Az.gap 88°
Corr. 0.360 20M/17stn Msd 0.3 1↑

94/5828
MAY 29 1700 18.2s 38.29S 175.99E 192km M=3.7
1.0 0.03 0.04 9
Rsd 0.2s 14ph/12stn Dmin 99km Az.gap 219°
Corr. -0.453 10M/10stn Msd 0.2

94/5834
MAY 30 0404 20.8s 41.60S 174.34E 15km M=4.3
0.1 0.01 0.01 1
Rsd 0.2s 23ph/18stn Dmin 19km Az.gap 135°
Corr. -0.431 12M/6stn Msd 0.1 4↑ 4↓
Felt Kelburn (68).

94/5839
MAY 30 0754 20.4s 42.96S 171.51E 12km M=3.1
0.2 0.01 0.02 R
Rsd 0.2s 8ph/6stn Dmin 65km Az.gap 185°
Corr. -0.588 11M/9stn Msd 0.2 1↓
Felt Arthur's Pass (93) MM4.

94/5855
MAY 31 0322 55.4s 35.04S 178.87E 270km M=4.2
0.5 0.03 0.04 4
Rsd 0.1s 10ph/6stn Dmin 288km Az.gap 313°
Corr. 0.629 8M/8stn Msd 0.1

94/5867
MAY 31 1821 20.8s 38.38S 175.54E 189km M=3.6
0.8 0.07 0.15 15
Rsd 0.2s 5ph/4stn Dmin 163km Az.gap 319°
Corr. -0.744 1M/1stn Msd 0.0

94/5873
MAY 31 2127 09.6s 38.59S 175.88E 186km M=3.7
0.4 0.04 0.07 6
Rsd 0.2s 19ph/14stn Dmin 130km Az.gap 289°
Corr. -0.768 7M/7stn Msd 0.1

94/5875
MAY 31 2200 44.4s 40.01S 176.86E 21km M=3.6
0.4 0.02 0.05 3
Rsd 0.4s 24ph/18stn Dmin 39km Az.gap 213°
Corr. -0.512 18M/14stn Msd 0.2 1↑ 1↓

94/5877
MAY 31 2230 29.6s 38.59S 175.69E 192km M=3.7
0.8 0.12 0.21 18
Rsd 0.6s 22ph/15stn Dmin 122km Az.gap 222°
Corr. -0.953 9M/9stn Msd 0.1

94/5878
MAY 31 2314 43.2s 36.35S 177.21E 212km M=4.0
0.6 0.07 0.13 14
Rsd 0.2s 12ph/8stn Dmin 169km Az.gap 301°
Corr. -0.844 10M/10stn Msd 0.2

94/5881
JUN 01 0201 56.5s 37.23S 177.11E 161km M=4.5
0.4 0.02 0.02 3
Rsd 0.2s 18ph/15stn Dmin 34km Az.gap 168°
Corr. 0.449 21M/18stn Msd 0.2

94/5882
JUN 01 0457 41.0s 38.11S 177.54E 58km M=3.5
0.2 0.02 0.01 3
Rsd 0.2s 16ph/14stn Dmin 41km Az.gap 120°
Corr. -0.514 9M/9stn Msd 0.2

94/5885
JUN 01 0928 09.5s 42.23S 173.93E 12km M=4.5
0.2 0.02 0.01 R
Rsd 0.2s 21ph/16stn Dmin 99km Az.gap 155°
Corr. -0.420 12M/6stn Msd 0.1 2↑ 3↓

94/5898
JUN 01 1741 08.5s 38.50S 179.86W 33km M=4.4
0.8 0.03 0.06 R
Rsd 0.2s 18ph/16stn Dmin 171km Az.gap 284°
Corr. -0.023 30M/28stn Msd 0.2

94/5911
JUN 02 0434 51.8s 38.73S 175.96E 193km M=3.5
0.2 0.03 0.02 4
Rsd 0.1s 15ph/12stn Dmin 177km Az.gap 315°
Corr. -0.483 7M/7stn Msd 0.3

94/5917
JUN 02 1213 10.9s 38.15S 176.33E 168km M=3.6
1.1 0.04 0.03 11
Rsd 0.5s 19ph/15stn Dmin 101km Az.gap 178°
Corr. -0.524 11M/11stn Msd 0.2

94/5931
JUN 02 2253 59.9s 37.50S 177.10E 137km M=3.7
0.4 0.01 0.01 5
Rsd 0.1s 11ph/7stn Dmin 107km Az.gap 152°
Corr. 0.571 8M/8stn Msd 0.3 1↑

94/5939
JUN 03 1002 57.5s 37.39S 177.41E 174km M=3.6
0.9 0.08 0.20 17
Rsd 0.3s 12ph/8stn Dmin 82km Az.gap 259°
Corr. -0.906 3M/3stn Msd 0.2 1↑

94/5944
JUN 03 1348 03.4s 40.00S 176.22E 30km M=3.5
0.1 0.01 0.01 2
Rsd 0.2s 26ph/22stn Dmin 35km Az.gap 130°
Corr. -0.368 22M/18stn Msd 0.2

94/5962
JUN 04 0019 53.4s 37.22S 179.59E 33km M=4.1
0.6 0.05 0.05 R
Rsd 0.1s 12ph/10stn Dmin 122km Az.gap 283°
Corr. -0.396 10M/9stn Msd 0.3

94/5969
JUN 04 0329 18.9s 40.18S 176.64E 52km M=3.7
0.2 0.01 0.02 3
Rsd 0.2s 28ph/23stn Dmin 36km Az.gap 179°
Corr. -0.461 16M/14stn Msd 0.1 1↑ 4↓
Felt Wai-iti (60).

94/6020
JUN 05 1516 06.6s 39.34S 174.78E 130km M=3.8
0.3 0.01 0.01 3
Rsd 0.2s 28ph/21stn Dmin 62km Az.gap 91°
Corr. 0.130 17M/16stn Msd 0.2 1↑

94/6030
JUN 06 0746 53.6s 40.81S 174.19E 70km M=3.8
0.3 0.02 0.01 3
Rsd 0.2s 22ph/19stn Dmin 22km Az.gap 79°
Corr. -0.307 13M/10stn Msd 0.2 2↑ 1↓
Felt Nelson (76).

94/6033
JUN 06 0915 17.6s 37.75S 176.40E 221km M=4.0
1.0 0.06 0.07 11
Rsd 0.2s 20ph/15stn Dmin 167km Az.gap 252°
Corr. -0.654 4M/4stn Msd 0.2

94/6035
JUN 06 1222 29.8s 38.24S 176.18E 187km M=3.8
0.2 0.01 0.02 2
Rsd 0.1s 21ph/16stn Dmin 113km Az.gap 302°
Corr. 0.209 10M/10stn Msd 0.2 1↑

94/6059
JUN 07 0814 19.7s 38.58S 175.61E 192km M=3.8
0.3 0.02 0.02 2
Rsd 0.1s 14ph/9stn Dmin 47km Az.gap 284°
Corr. 0.698 14M/13stn Msd 0.3 1↑

94/6080
JUN 07 2211 39.8s 45.41S 166.84E 12km M=5.3
0.2 0.01 0.01 R
Rsd 0.1s 16ph/15stn Dmin 102km Az.gap 245°
Corr. -0.044 18M/9stn Msd 0.3 1↓
Felt Te Anau (130) and Manapouri (139), maximum intensity MM4.

94/6094
JUN 08 0541 36.6s 38.80S 175.69E 147km M=3.6
0.1 0.01 0.01 1
Rsd 0.0s 14ph/10stn Dmin 43km Az.gap 276°
Corr. 0.066 10M/10stn Msd 0.3 1↑

94/6134
JUN 09 0547 14.7s 44.85S 167.70E 73km M=3.6
0.4 0.02 0.02 3
Rsd 0.2s 16ph/12stn Dmin 27km Az.gap 232°
Corr. -0.508 15M/11stn Msd 0.3 1↓

94/6139
JUN 09 1316 36.4s 37.43S 179.50E 15km M=4.1
0.4 0.02 0.02 2
Rsd 0.1s 13ph/12stn Dmin 107km Az.gap 283°
Corr. -0.398 25M/23stn Msd 0.3

94/6140
JUN 09 1500 08.4s 40.66S 173.36E 224km M=3.7
0.3 0.03 0.02 3
Rsd 0.1s 25ph/18stn Dmin 50km Az.gap 241°
Corr. -0.745 10M/10stn Msd 0.2 1↑

94/6141
JUN 09 1514 13.5s 38.80S 175.58E 182km M=3.5
0.3 0.02 0.03 4
Rsd 0.1s 15ph/11stn Dmin 42km Az.gap 285°
Corr. -0.488 13M/11stn Msd 0.2

94/6169
JUN 10 1755 00.6s 45.19S 166.87E 12km M=3.6
0.6 0.02 0.04 R
Rsd 0.3s 11ph/8stn Dmin 101km Az.gap 263°
Corr. -0.560 16M/12stn Msd 0.1 1↓

94/6173
JUN 10 1906 01.8s 39.30S 174.65E 203km M=3.8
0.2 0.01 0.01 2
Rsd 0.1s 25ph/21stn Dmin 83km Az.gap 219°
Corr. -0.221 14M/14stn Msd 0.2 1↑

94/6188
JUN 11 0613 04.4s 40.01S 177.13E 41km M=3.4
0.3 0.01 0.03 3
Rsd 0.2s 23ph/19stn Dmin 27km Az.gap 245°
Corr. -0.437 10M/8stn Msd 0.3
Felt Wai-iti (60).

94/6196
JUN 11 1655 12.4s 38.35S 175.95E 200km M=3.6
0.3 0.04 0.05 5
Rsd 0.1s 19ph/13stn Dmin 152km Az.gap 306°
Corr. -0.865 8M/8stn Msd 0.1

94/6197
JUN 11 1730 15.9s 38.92S 175.69E 5km M=3.7
0.2 0.01 0.01 R
Rsd 0.5s 19ph/17stn Dmin 16km Az.gap 87°
Corr. -0.255 27M/22stn Msd 0.3 1↑ 2↓

94/6204
JUN 11 2300 02.7s 35.53S 178.29E 12km M=4.7
1.8 0.11 0.10 R
Rsd 0.7s 10ph/7stn Dmin 230km Az.gap 278°
Corr. 0.584 10M/6stn Msd 0.4

94/6206
JUN 12 0141 29.9s 38.56S 175.86E 178km M=4.2
0.1 0.01 0.01 1
Rsd 0.1s 17ph/12stn Dmin 57km Az.gap 147°
Corr. 0.785 15M/13stn Msd 0.4 1↑

94/6211
JUN 12 0942 12.5s 42.40S 172.88E 51km M=3.9
0.2 0.01 0.02 4
Rsd 0.3s 20ph/15stn Dmin 54km Az.gap 116°
Corr. -0.498 16M/12stn Msd 0.3 1↓

94/6212
JUN 12 1038 56.0s 37.50S 177.17E 129km M=3.7
0.7 0.02 0.01 8
Rsd 0.2s 11ph/9stn Dmin 70km Az.gap 155°
Corr. 0.182 8M/8stn Msd 0.1 1↑

94/6215
JUN 12 1442 43.8s 44.99S 167.73E 84km M=3.6
0.4 0.01 0.02 3
Rsd 0.2s 10ph/5stn Dmin 39km Az.gap 212°
Corr. -0.595 7M/5stn Msd 0.2 1↑ 2↓

94/6218
JUN 12 1738 35.5s 38.39S 176.05E 187km M=3.5
0.3 0.03 0.04 5
Rsd 0.2s 18ph/13stn Dmin 144km Az.gap 298°
Corr. -0.789 10M/9stn Msd 0.2

94/6238
JUN 13 0136 28.7s 35.67S 176.69E 33km M=5.1
1.3 0.09 0.07 R
Rsd 0.4s 13ph/11stn Dmin 259km Az.gap 307°
Corr. -0.225 6M/6stn Msd 0.4

94/6242
JUN 13 0450 19.9s 38.92S 175.10E 156km M=3.7
0.3 0.01 0.07 3
Rsd 0.1s 17ph/13stn Dmin 29km Az.gap 218°
Corr. 0.054 8M/8stn Msd 0.3 1↑

94/6246
JUN 13 0925 41.4s 41.12S 175.25E 12km M=3.4
0.1 0.01 0.01 1
Rsd 0.2s 23ph/18stn Dmin 15km Az.gap 58°
Corr. -0.358 20M/16stn Msd 0.2 1↓
Felt Paraparaumu Beach (65) to Greytown (69), maximum intensity MM3.

94/6249
JUN 13 1051 44.0s 37.55S 177.37E 184km M=3.6
1.5 0.17 0.35 30
Rsd 0.4s 9ph/7stn Dmin 83km Az.gap 245°
Corr. -0.973 6M/6stn Msd 0.1 1↓

94/6261
JUN 13 1750 58.4s 41.48S 173.16E 117km M=3.6
0.3 0.02 0.02 3
Rsd 0.2s 27ph/21stn Dmin 38km Az.gap 148°
Corr. -0.767 14M/14stn Msd 0.2 2↑ 1↓

94/6266
JUN 13 2025 41.0s 38.85S 175.24E 208km M=4.3
0.5 0.03 0.02 4
Rsd 0.2s 26ph/22stn Dmin 26km Az.gap 109°
Corr. 0.264 19M/17stn Msd 0.3 9↑ 1↓

94/6277
JUN 14 0549 39.6s 38.32S 175.73E 218km M=3.7
0.2 0.02 0.03 3
Rsd 0.1s 20ph/14stn Dmin 163km Az.gap 285°
Corr. -0.818 10M/10stn Msd 0.1

94/6278
JUN 14 0621 58.3s 35.37S 178.50E 12km M=4.4
0.6 0.04 0.04 R
Rsd 0.1s 4ph/3stn Dmin 300km Az.gap 285°
Corr. 0.836 4M/3stn Msd 0.5

94/6294
JUN 14 2200 57.7s 38.22S 176.23E 183km M=3.6
0.2 0.01 0.01 2
Rsd 0.1s 15ph/13stn Dmin 117km Az.gap 303°
Corr. 0.023 9M/9stn Msd 0.3

94/6300
JUN 15 0130 35.4s 38.43S 175.78E 222km M=3.6
0.3 0.02 0.02 4
Rsd 0.1s 16ph/13stn Dmin 149km Az.gap 293°
Corr. -0.523 10M/10stn Msd 0.3

94/6301
JUN 15 0135 57.3s 37.10S 177.50E 169km M=3.8
0.9 0.05 0.04 8
Rsd 0.2s 11ph/10stn Dmin 127km Az.gap 272°
Corr. -0.004 8M/8stn Msd 0.1

94/6314
JUN 15 1050 57.0s 37.28S 177.17E 226km M=3.6
0.3 0.06 0.07 10
Rsd 0.1s 12ph/9stn Dmin 347km Az.gap 344°
Corr. -0.871 5M/5stn Msd 0.1

94/6337
JUN 16 0527 20.4s 37.84S 175.78E 5km M=5.0
0.1 0.01 0.01 R
Rsd 0.2s 27ph/24stn Dmin 53km Az.gap 96°
Corr. -0.326 9M/5stn Msd 0.2 1↑
Felt Matamata (25) to Tauranga (26), maximum intensity MM4.

94/6338
JUN 16 0538 59.3s 37.85S 175.85E 5km M=3.0
0.1 0.01 0.01 R
Rsd 0.1s 10ph/7stn Dmin 48km Az.gap 124°
Corr. 0.190 11M/10stn Msd 0.2
Felt Tirau (25).

94/6339
JUN 16 0627 38.4s 40.50S 175.91E 54km M=2.5
0.2 0.02 0.01 2
Rsd 0.2s 8ph/4stn Dmin 33km Az.gap 163°
Corr. -0.592 3M/1stn Msd 0.0 1↓
Felt Tirau (25).

94/6344
JUN 16 1125 06.9s 37.24S 177.15E 228km M=3.8
0.2 0.05 0.07 5
Rsd 0.1s 18ph/13stn Dmin 257km Az.gap 338°
Corr. -0.855 9M/9stn Msd 0.1

94/6357
JUN 16 2254 46.9s 38.49S 175.72E 217km M=3.9
0.2 0.03 0.03 3
Rsd 0.1s 21ph/15stn Dmin 145km Az.gap 288°
Corr. -0.682 13M/11stn Msd 0.2

94/6361
JUN 17 0028 59.0s 41.08S 175.07E 33km M=2.3
0.1 0.00 0.01 1
Rsd 0.1s 10ph/7stn Dmin 3km Az.gap 115°
Corr. -0.119 7M/7stn Msd 0.2
Felt Kelburn (68) MM3.

94/6362
JUN 17 0029 26.8s 41.60S 174.33E 15km M=4.1
0.1 0.01 0.00 1
Rsd 0.2s 27ph/19stn Dmin 19km Az.gap 134°
Corr. -0.491 10M/5stn Msd 0.1 3↑ 2↓

94/6364
JUN 17 0123 32.7s 36.94S 177.47E 292km M=3.9
0.3 0.03 0.04 5
Rsd 0.1s 17ph/13stn Dmin 294km Az.gap 338°
Corr. -0.346 8M/8stn Msd 0.2

94/6378
JUN 17 0949 10.7s 38.41S 176.39E 171km M=3.7
0.4 0.02 0.02 3
Rsd 0.1s 21ph/18stn Dmin 99km Az.gap 295°
Corr. 0.142 7M/7stn Msd 0.2 1↑

94/6394
JUN 18 0325 15.2s 43.01S 171.46E 11km M=6.7
0.4 0.01 0.01 5
Rsd 0.1s 11ph/8stn Dmin 60km Az.gap 108°
Corr. -0.211 20M/10stn Msd 0.2 1↑ 2↓
Felt Stratford (47) to Clydevale (152), maximum intensity MM7 at Arthur's Pass (93).

94/6395
JUN 18 0326 32.3s 43.04S 171.63E 10km M=4.5
0.2 0.02 0.02 R
Rsd 0.5s 10ph/6stn Dmin 60km Az.gap 99°
Corr. -0.344 5M/5stn Msd 0.2

94/6396
JUN 18 0326 47.6s 43.00S 171.41E 10km M=4.6
0.2 0.03 0.02 R
Rsd 0.3s 9ph/7stn Dmin 55km Az.gap 112°
Corr. -0.605 9M/9stn Msd 0.2

94/6397
JUN 18 0327 08.4s 43.09S 171.69E 10km M=4.6
0.5 0.05 0.03 R
Rsd 0.6s 7ph/4stn Dmin 59km Az.gap 143°
Corr. -0.221 5M/5stn Msd 0.2

94/6398
JUN 18 0327 30.4s 43.02S 171.43E 10km M=4.6
0.2 0.02 0.01 R
Rsd 0.3s 10ph/8stn Dmin 57km Az.gap 109°
Corr. -0.597 9M/9stn Msd 0.2

94/6399
JUN 18 0328 01.6s 43.04S 171.43E 10km M=4.6
0.2 0.02 0.01 R
Rsd 0.4s 10ph/8stn Dmin 56km Az.gap 106°
Corr. -0.459 9M/9stn Msd 0.2

94/6400
JUN 18 0328 36.8s 43.05S 171.67E 10km M=4.0
0.3 0.03 0.02 R
Rsd 0.5s 8ph/6stn Dmin 57km Az.gap 99°
Corr. -0.397 4M/4stn Msd 0.1

94/6401
JUN 18 0329 04.2s 43.08S 171.47E 10km M=4.3
0.2 0.02 0.01 R
Rsd 0.3s 11ph/8stn Dmin 60km Az.gap 100°
Corr. -0.493 9M/9stn Msd 0.2

94/6402
JUN 18 0329 31.4s 43.00S 171.34E 10km M=4.2
0.2 0.03 0.02 R
Rsd 0.3s 10ph/8stn Dmin 50km Az.gap 116°
Corr. -0.671 6M/6stn Msd 0.3

94/6403
JUN 18 0329 34.1s 42.93S 171.49E 10km M=3.8
0.3 0.03 0.01 R
Rsd 0.3s 7ph/4stn Dmin 64km Az.gap 181°
Corr. -0.411 4M/4stn Msd 0.1

94/6404
JUN 18 0329 36.7s 42.78S 171.25E 10km M=4.1
0.3 0.02 0.02 R
Rsd 0.6s 10ph/5stn Dmin 53km Az.gap 150°
Corr. -0.447 7M/7stn Msd 0.2

94/6405
JUN 18 0329 58.9s 43.02S 171.39E 10km M=4.0
0.2 0.01 0.01 R
Rsd 0.3s 9ph/6stn Dmin 54km Az.gap 111°
Corr. -0.234 6M/6stn Msd 0.2

94/6406
JUN 18 0330 44.6s 43.09S 171.37E 10km M=4.2
0.2 0.02 0.01 R
Rsd 0.4s 13ph/7stn Dmin 52km Az.gap 102°
Corr. -0.326 8M/8stn Msd 0.3

94/6407
JUN 18 0330 50.6s 43.09S 171.40E 10km M=4.0
0.1 0.01 0.01 R
Rsd 0.3s 14ph/7stn Dmin 54km Az.gap 102°
Corr. -0.263 19M/19stn Msd 0.3

94/6408
JUN 18 0331 18.0s 42.92S 171.47E 10km M=3.8
0.2 0.02 0.02 R
Rsd 0.3s 9ph/8stn Dmin 62km Az.gap 119°
Corr. -0.557 7M/7stn Msd 0.2

94/6409
JUN 18 0331 35.8s 43.18S 171.61E 10km M=3.5
0.2 0.02 0.01 R
Rsd 0.2s 5ph/4stn Dmin 70km Az.gap 154°
Corr. -0.247 8M/8stn Msd 0.4

94/6410
JUN 18 0331 58.2s 43.01S 171.52E 10km M=3.7
0.2 0.02 0.02 R
Rsd 0.3s 8ph/7stn Dmin 65km Az.gap 106°
Corr. -0.254 7M/7stn Msd 0.2

94/6411
JUN 18 0332 17.3s 43.22S 171.70E 10km M=3.6
0.0 0.00 0.00 R
Rsd 0.0s 5ph/3stn Dmin 68km Az.gap 157°
Corr. -0.265 4M/4stn Msd 0.3

94/6412
JUN 18 0332 34.8s 43.06S 171.37E 10km M=4.5
0.2 0.02 0.01 R
Rsd 0.2s 14ph/9stn Dmin 52km Az.gap 107°
Corr. -0.164 42M/38stn Msd 0.4
Felt Greymouth (85) and Christchurch (110).

94/6413
JUN 18 0333 19.6s 42.99S 171.54E 10km M=4.0
0.3 0.03 0.02 R
Rsd 0.4s 6ph/5stn Dmin 63km Az.gap 108°
Corr. -0.435 4M/4stn Msd 0.2

94/6414
JUN 18 0333 27.5s 43.15S 171.53E 10km M=3.8
0.3 0.02 0.02 R
Rsd 0.4s 10ph/4stn Dmin 65km Az.gap 152°
Corr. 0.115 4M/4stn Msd 0.2

94/6415
JUN 18 0333 35.5s 43.11S 171.41E 10km M=3.9
0.2 0.02 0.01 R
Rsd 0.3s 18ph/8stn Dmin 55km Az.gap 98°
Corr. -0.154 8M/8stn Msd 0.3

94/6416
JUN 18 0333 43.7s 42.97S 171.34E 10km M=4.1
0.3 0.03 0.02 R
Rsd 0.6s 13ph/5stn Dmin 50km Az.gap 128°
Corr. -0.223 5M/5stn Msd 0.3

94/6417
JUN 18 0334 06.2s 43.23S 171.68E 10km M=3.6
0.2 0.02 0.01 R
Rsd 0.3s 6ph/4stn Dmin 69km Az.gap 122°
Corr. -0.438 3M/3stn Msd 0.0

94/6418
JUN 18 0334 15.6s 43.13S 171.62E 10km M=3.5
0.3 0.03 0.02 R
Rsd 0.4s 6ph/5stn Dmin 65km Az.gap 92°
Corr. -0.288 2M/2stn Msd 0.0

94/6419
JUN 18 0334 44.2s 43.10S 171.47E 10km M=3.6
0.2 0.02 0.01 R
Rsd 0.4s 7ph/4stn Dmin 60km Az.gap 146°
Corr. -0.221 4M/4stn Msd 0.3

94/6421
JUN 18 0335 02.8s 42.96S 171.69E 10km M=3.6
0.4 0.05 0.03 R
Rsd 0.6s 7ph/5stn Dmin 51km Az.gap 103°
Corr. -0.464 6M/6stn Msd 0.3

94/6422
JUN 18 0335 04.0s 42.95S 171.52E 10km M=3.7
0.2 0.03 0.01 R
Rsd 0.4s 9ph/6stn Dmin 64km Az.gap 113°
Corr. -0.557 4M/4stn Msd 0.3

94/6423
JUN 18 0335 28.0s 43.03S 171.34E 10km M=3.8
0.3 0.03 0.01 R
Rsd 0.3s 8ph/4stn Dmin 50km Az.gap 193°
Corr. -0.658 15M/15stn Msd 0.2

94/6426
JUN 18 0336 31.5s 43.13S 171.42E 10km M=4.1
0.1 0.01 0.01 R
Rsd 0.2s 11ph/9stn Dmin 56km Az.gap 96°
Corr. -0.527 42M/35stn Msd 0.4 1↓

94/6432
JUN 18 0338 53.7s 42.83S 171.25E 10km M=3.5
0.2 0.03 0.05 R
Rsd 0.1s 11ph/10stn Dmin 83km Az.gap 198°
Corr. -0.968 12M/12stn Msd 0.2

94/6433
JUN 18 0339 03.1s 43.06S 171.40E 10km M=4.6
0.1 0.01 0.00 R
Rsd 0.1s 17ph/14stn Dmin 54km Az.gap 105°
Corr. -0.400 31M/25stn Msd 0.3

94/6434
JUN 18 0339 21.2s 43.09S 171.50E 10km M=3.7
0.2 0.01 0.01 R
Rsd 0.3s 9ph/5stn Dmin 63km Az.gap 101°
Corr. -0.003 3M/3stn Msd 0.1

94/6435
JUN 18 0339 29.5s 43.05S 171.50E 10km M=3.6
0.2 0.02 0.01 R
Rsd 0.3s 9ph/5stn Dmin 63km Az.gap 132°
Corr. -0.489 4M/4stn Msd 0.3

94/6437
JUN 18 0340 15.7s 43.04S 171.52E 10km M=3.6
0.1 0.02 0.01 R
Rsd 0.2s 8ph/5stn Dmin 64km Az.gap 103°
Corr. -0.539 4M/4stn Msd 0.3

94/6438
JUN 18 0340 38.0s 43.02S 171.44E 10km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 11ph/7stn Dmin 58km Az.gap 109°
Corr. -0.294 9M/9stn Msd 0.3

94/6439
JUN 18 0340 57.2s 43.02S 171.51E 10km M=3.9
0.4 0.04 0.03 R
Rsd 0.3s 6ph/3stn Dmin 67km Az.gap 204°
Corr. -0.782 4M/3stn Msd 0.2

94/6440
JUN 18 0341 08.2s 42.96S 171.47E 10km M=3.5
0.3 0.02 0.02 R
Rsd 0.2s 6ph/4stn Dmin 68km Az.gap 215°
Corr. -0.548 5M/5stn Msd 0.1

94/6443
JUN 18 0342 35.9s 43.04S 171.47E 10km M=3.8
0.1 0.01 0.01 R
Rsd 0.1s 12ph/11stn Dmin 73km Az.gap 177°
Corr. 0.001 22M/21stn Msd 0.3

94/6444
JUN 18 0343 00.1s 43.02S 171.38E 10km M=3.9
0.2 0.01 0.01 R
Rsd 0.2s 6ph/4stn Dmin 69km Az.gap 185°
Corr. -0.538 8M/5stn Msd 0.3

94/6449
JUN 18 0345 34.8s 43.06S 171.45E 10km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 6ph/3stn Dmin 73km Az.gap 209°
Corr. -0.471 5M/3stn Msd 0.1

94/6451
JUN 18 0346 13.0s 43.06S 171.38E 10km M=4.1
0.2 0.01 0.01 R
Rsd 0.2s 12ph/6stn Dmin 66km Az.gap 168°
Corr. -0.463 26M/26stn Msd 0.3

94/6453
JUN 18 0347 12.7s 43.01S 171.42E 10km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 8ph/5stn Dmin 73km Az.gap 211°
Corr. -0.702 7M/3stn Msd 0.2

94/6454
JUN 18 0347 40.9s 43.14S 171.44E 10km M=4.1
0.1 0.02 0.01 R
Rsd 0.2s 9ph/5stn Dmin 63km Az.gap 170°
Corr. -0.668 9M/5stn Msd 0.2

94/6455
JUN 18 0348 13.8s 43.12S 171.77E 10km M=3.5
0.3 0.02 0.02 R
Rsd 0.4s 6ph/3stn Dmin 55km Az.gap 169°
Corr. -0.555 7M/3stn Msd 0.2

94/6456
JUN 18 0348 21.7s 42.94S 171.40E 10km M=3.9
0.3 0.02 0.02 R
Rsd 0.1s 5ph/3stn Dmin 73km Az.gap 221°
Corr. -0.864 7M/3stn Msd 0.1

94/6457
JUN 18 0348 25.6s 43.27S 171.76E 10km M=3.7
0.4 0.02 0.02 R
Rsd 0.5s 6ph/3stn Dmin 68km Az.gap 147°
Corr. -0.307 7M/3stn Msd 0.1

94/6459
JUN 18 0349 30.6s 43.00S 171.45E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.1s 7ph/4stn Dmin 71km Az.gap 180°
Corr. -0.613 9M/5stn Msd 0.2

94/6461
JUN 18 0350 29.4s 43.05S 171.39E 10km M=3.9
0.3 0.02 0.02 R
Rsd 0.3s 6ph/4stn Dmin 67km Az.gap 182°
Corr. -0.416 8M/5stn Msd 0.2

94/6462
JUN 18 0351 35.4s 43.11S 171.38E 10km M=3.5
0.3 0.02 0.02 R
Rsd 0.4s 6ph/4stn Dmin 62km Az.gap 178°
Corr. -0.159 6M/4stn Msd 0.2

94/6463
JUN 18 0352 44.9s 43.01S 171.47E 10km M=4.4
0.1 0.00 0.01 R
Rsd 0.1s 19ph/16stn Dmin 75km Az.gap 149°
Corr. 0.253 15M/8stn Msd 0.1

94/6464
JUN 18 0353 47.2s 42.96S 171.49E 10km M=3.6
0.2 0.01 0.02 R
Rsd 0.4s 8ph/5stn Dmin 80km Az.gap 151°
Corr. -0.075 6M/4stn Msd 0.2

94/6468
JUN 18 0356 24.9s 43.25S 171.55E 10km M=4.1
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 64km Az.gap 146°
Corr. -0.281 11M/6stn Msd 0.2

94/6469
JUN 18 0358 59.0s 43.06S 171.39E 10km M=3.8
0.2 0.03 0.02 R
Rsd 0.2s 12ph/11stn Dmin 67km Az.gap 152°
Corr. -0.857 14M/12stn Msd 0.3

94/6470
JUN 18 0359 13.7s 43.15S 171.51E 10km M=4.2
0.2 0.01 0.01 R
Rsd 0.2s 12ph/7stn Dmin 66km Az.gap 136°
Corr. -0.006 10M/6stn Msd 0.3

94/6477
JUN 18 0406 17.0s 42.97S 171.39E 10km M=4.1
0.1 0.01 0.01 R
Rsd 0.2s 13ph/9stn Dmin 54km Az.gap 117°
Corr. -0.351 11M/6stn Msd 0.4 1↑

94/6478
JUN 18 0406 53.2s 42.99S 171.19E 10km M=3.7
0.1 0.01 0.02 R
Rsd 0.2s 7ph/5stn Dmin 38km Az.gap 125°
Corr. -0.722 5M/5stn Msd 0.2

94/6484
JUN 18 0409 06.8s 43.00S 171.44E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 11ph/5stn Dmin 58km Az.gap 111°
Corr. -0.034 7M/6stn Msd 0.1

94/6487
JUN 18 0410 34.3s 43.14S 171.42E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 11ph/6stn Dmin 56km Az.gap 95°
Corr. 0.137 8M/6stn Msd 0.2

94/6493
JUN 18 0413 07.2s 43.05S 171.34E 10km M=4.5
0.1 0.01 0.01 R
Rsd 0.2s 16ph/8stn Dmin 49km Az.gap 107°
Corr. -0.099 17M/9stn Msd 0.2

94/6494
JUN 18 0413 46.8s 42.99S 171.35E 10km M=3.5
0.1 0.01 0.00 R
Rsd 0.0s 4ph/3stn Dmin 51km Az.gap 228°
Corr. 0.125 3M/3stn Msd 0.2

94/6496
JUN 18 0414 47.6s 43.11S 171.41E 10km M=4.2
0.1 0.01 0.01 R
Rsd 0.1s 11ph/8stn Dmin 55km Az.gap 98°
Corr. 0.009 9M/6stn Msd 0.2

94/6498
JUN 18 0415 53.6s 42.97S 171.35E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.3s 9ph/7stn Dmin 52km Az.gap 118°
Corr. -0.421 6M/6stn Msd 0.3

94/6499
JUN 18 0416 10.1s 43.00S 171.37E 10km M=3.5
0.6 0.04 0.02 R
Rsd 0.3s 5ph/3stn Dmin 52km Az.gap 226°
Corr. 0.155 2M/2stn Msd 0.0

94/6501
JUN 18 0417 13.8s 43.06S 171.39E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 10ph/5stn Dmin 66km Az.gap 152°
Corr. -0.236 6M/6stn Msd 0.3

94/6505
JUN 18 0420 40.6s 43.11S 171.39E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 16ph/7stn Dmin 53km Az.gap 99°
Corr. -0.311 12M/8stn Msd 0.2

94/6508
JUN 18 0421 42.0s 43.00S 171.38E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.3s 13ph/7stn Dmin 53km Az.gap 113°
Corr. -0.475 10M/7stn Msd 0.2

94/6509
JUN 18 0422 06.2s 43.02S 171.37E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 11ph/5stn Dmin 52km Az.gap 112°
Corr. -0.418 7M/5stn Msd 0.2

94/6511
JUN 18 0422 42.7s 43.05S 171.40E 10km M=3.9
0.2 0.01 0.01 R
Rsd 0.3s 9ph/5stn Dmin 54km Az.gap 148°
Corr. -0.634 9M/7stn Msd 0.3

94/6515
JUN 18 0425 13.7s 43.15S 171.42E 10km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 16ph/9stn Dmin 56km Az.gap 93°
Corr. -0.295 22M/16stn Msd 0.2 1↓

94/6521
JUN 18 0427 15.7s 43.12S 171.44E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 15ph/8stn Dmin 64km Az.gap 143°
Corr. -0.482 11M/8stn Msd 0.2

94/6523
JUN 18 0428 06.9s 43.00S 171.37E 10km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 15ph/8stn Dmin 52km Az.gap 113°
Corr. -0.424 25M/19stn Msd 0.3 1↓

94/6524
JUN 18 0428 24.1s 43.33S 171.31E 10km M=3.6
0.2 0.02 0.01 R
Rsd 0.3s 13ph/6stn Dmin 55km Az.gap 108°
Corr. 0.109 7M/4stn Msd 0.2

94/6525
JUN 18 0428 29.6s 43.18S 171.44E 10km M=3.5
0.3 0.03 0.02 R
Rsd 0.5s 9ph/5stn Dmin 59km Az.gap 111°
Corr. -0.529 10M/6stn Msd 0.2

94/6527
JUN 18 0429 06.7s 43.04S 171.38E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.3s 10ph/5stn Dmin 53km Az.gap 108°
Corr. -0.367 11M/7stn Msd 0.2

94/6534
JUN 18 0431 09.8s 43.06S 171.42E 10km M=3.8
0.2 0.01 0.01 R
Rsd 0.2s 13ph/8stn Dmin 68km Az.gap 149°
Corr. -0.058 23M/18stn Msd 0.3

94/6535
JUN 18 0431 41.7s 43.16S 171.46E 10km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 10ph/5stn Dmin 63km Az.gap 139°
Corr. -0.497 9M/5stn Msd 0.2 1↑

94/6536
JUN 18 0431 51.8s 42.95S 171.40E 10km M=3.7
0.4 0.03 0.02 R
Rsd 0.3s 7ph/3stn Dmin 73km Az.gap 219°
Corr. -0.815 5M/3stn Msd 0.1

94/6540
JUN 18 0433 09.7s 43.05S 171.38E 10km M=3.9
0.2 0.01 0.01 R
Rsd 0.3s 14ph/8stn Dmin 53km Az.gap 108°
Corr. -0.503 25M/18stn Msd 0.2 1↑ 1↓

94/6542
JUN 18 0434 05.3s 43.01S 171.44E 10km M=3.6
0.3 0.02 0.02 R
Rsd 0.3s 10ph/6stn Dmin 72km Az.gap 180°
Corr. -0.682 9M/5stn Msd 0.1

94/6545
JUN 18 0435 25.2s 43.14S 171.43E 10km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 11ph/7stn Dmin 63km Az.gap 143°
Corr. -0.273 9M/7stn Msd 0.3

94/6546
JUN 18 0436 03.2s 43.08S 171.38E 10km M=3.5
0.4 0.03 0.03 R
Rsd 0.5s 6ph/4stn Dmin 65km Az.gap 152°
Corr. -0.617 7M/5stn Msd 0.2

94/6549
JUN 18 0437 07.8s 42.98S 171.35E 10km M=4.0
0.1 0.01 0.01 R
Rsd 0.2s 15ph/8stn Dmin 51km Az.gap 117°
Corr. -0.217 10M/6stn Msd 0.3 1↑ 1↓

94/6554
JUN 18 0443 12.3s 42.99S 171.36E 10km M=4.2
0.1 0.01 0.01 R
Rsd 0.2s 16ph/9stn Dmin 52km Az.gap 116°
Corr. -0.425 16M/9stn Msd 0.2 1↓

94/6557
JUN 18 0446 16.6s 43.08S 171.44E 10km M=3.9
0.1 0.01 0.01 R
Rsd 0.1s 13ph/11stn Dmin 68km Az.gap 148°
Corr. -0.432 12M/6stn Msd 0.2

94/6559
JUN 18 0448 29.0s 43.04S 171.37E 10km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 13ph/8stn Dmin 52km Az.gap 109°
Corr. -0.375 23M/18stn Msd 0.2

94/6560
JUN 18 0449 48.3s 43.06S 171.40E 5km M=3.8
0.1 0.01 0.00 R
Rsd 0.2s 10ph/8stn Dmin 54km Az.gap 105°
Corr. -0.425 10M/8stn Msd 0.3

94/6563
JUN 18 0451 28.7s 43.00S 171.42E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 57km Az.gap 112°
Corr. -0.301 11M/11stn Msd 0.2

94/6564
JUN 18 0452 00.1s 43.04S 171.33E 5km M=3.6
0.2 0.02 0.01 R
Rsd 0.4s 10ph/9stn Dmin 48km Az.gap 110°
Corr. -0.263 12M/12stn Msd 0.2

94/6566
JUN 18 0454 42.1s 43.12S 171.38E 5km M=3.8
0.0 0.00 0.00 R
Rsd 0.1s 17ph/15stn Dmin 52km Az.gap 98°
Corr. -0.043 33M/29stn Msd 0.2 1↓

94/6567
JUN 18 0454 55.5s 43.13S 171.35E 10km M=3.8
0.2 0.01 0.01 R
Rsd 0.2s 7ph/4stn Dmin 51km Az.gap 108°
Corr. -0.109 5M/4stn Msd 0.3

94/6568
JUN 18 0455 14.7s 43.17S 171.46E 10km M=3.9
0.1 0.01 0.01 R
Rsd 0.2s 9ph/5stn Dmin 60km Az.gap 110°
Corr. -0.112 7M/5stn Msd 0.2

94/6573
JUN 18 0458 36.2s 43.06S 171.39E 5km M=4.1
0.1 0.01 0.01 R
Rsd 0.2s 13ph/9stn Dmin 54km Az.gap 105°
Corr. -0.553 15M/8stn Msd 0.3 1↓

94/6586
JUN 18 0503 42.8s 42.99S 171.46E 10km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 15ph/10stn Dmin 59km Az.gap 111°
Corr. -0.251 32M/28stn Msd 0.2

94/6588
JUN 18 0504 57.6s 43.16S 171.43E 10km M=5.1
0.1 0.01 0.01 R
Rsd 0.1s 14ph/9stn Dmin 57km Az.gap 92°
Corr. -0.113 19M/10stn Msd 0.2 1↓
Felt Greymouth (85).

94/6590
JUN 18 0508 22.1s 43.15S 171.46E 10km M=3.9
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 59km Az.gap 92°
Corr. -0.432 10M/5stn Msd 0.1

94/6591
JUN 18 0509 14.8s 42.92S 171.40E 10km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 11ph/6stn Dmin 57km Az.gap 122°
Corr. -0.430 8M/6stn Msd 0.2

94/6594
JUN 18 0513 35.6s 43.03S 171.36E 10km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 12ph/7stn Dmin 51km Az.gap 110°
Corr. -0.417 10M/8stn Msd 0.3

94/6602
JUN 18 0518 39.7s 43.02S 171.42E 5km M=3.9
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 56km Az.gap 110°
Corr. -0.405 25M/20stn Msd 0.2 1↓

94/6611
JUN 18 0523 52.8s 43.08S 171.45E 10km M=3.9
0.2 0.02 0.01 R
Rsd 0.4s 9ph/6stn Dmin 58km Az.gap 100°
Corr. -0.309 11M/7stn Msd 0.6

94/6612
JUN 18 0524 02.1s 43.05S 171.39E 5km M=3.6
0.2 0.02 0.01 R
Rsd 0.3s 9ph/6stn Dmin 54km Az.gap 107°
Corr. -0.520 5M/3stn Msd 0.1

94/6613
JUN 18 0524 14.7s 43.04S 171.39E 10km M=4.7
0.1 0.01 0.01 R
Rsd 0.1s 13ph/9stn Dmin 53km Az.gap 108°
Corr. -0.195 21M/11stn Msd 0.2 1↓

94/6614
JUN 18 0525 35.8s 42.97S 171.46E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 60km Az.gap 114°
Corr. -0.422 17M/15stn Msd 0.2 1↓

94/6628
JUN 18 0537 38.2s 43.11S 171.40E 10km M=4.0
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 54km Az.gap 99°
Corr. -0.135 11M/7stn Msd 0.2

94/6629
JUN 18 0537 52.1s 43.00S 171.40E 10km M=3.8
0.2 0.01 0.01 R
Rsd 0.3s 9ph/5stn Dmin 55km Az.gap 114°
Corr. -0.342 6M/5stn Msd 0.2

94/6631
JUN 18 0538 54.1s 43.15S 171.45E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 10ph/7stn Dmin 59km Az.gap 96°
Corr. -0.156 7M/5stn Msd 0.4

94/6638
JUN 18 0543 27.8s 42.99S 171.35E 10km M=3.6
0.2 0.02 0.02 R
Rsd 0.4s 10ph/7stn Dmin 51km Az.gap 121°
Corr. -0.625 10M/8stn Msd 0.3

94/6641
JUN 18 0548 52.1s 43.17S 171.44E 10km M=4.4
0.1 0.01 0.00 R
Rsd 0.1s 14ph/10stn Dmin 58km Az.gap 91°
Corr. 0.049 16M/8stn Msd 0.2 1↓

94/6642
JUN 18 0549 17.4s 43.04S 171.45E 10km M=3.6
0.2 0.02 0.01 R
Rsd 0.2s 7ph/4stn Dmin 58km Az.gap 161°
Corr. -0.576 6M/4stn Msd 0.1

94/6676
JUN 18 0625 54.1s 43.18S 171.44E 10km M=4.3
0.1 0.01 0.01 R
Rsd 0.2s 17ph/10stn Dmin 59km Az.gap 90°
Corr. 0.108 15M/8stn Msd 0.2

94/6679
JUN 18 0627 47.8s 43.12S 171.46E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 11ph/7stn Dmin 59km Az.gap 97°
Corr. -0.288 13M/9stn Msd 0.2

94/6689
JUN 18 0639 15.2s 42.96S 171.39E 10km M=3.9
0.1 0.01 0.01 R
Rsd 0.1s 13ph/8stn Dmin 55km Az.gap 117°
Corr. -0.314 11M/7stn Msd 0.3

94/6690
JUN 18 0639 57.5s 43.06S 171.39E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 9ph/5stn Dmin 53km Az.gap 106°
Corr. -0.588 6M/4stn Msd 0.1

94/6696
JUN 18 0643 35.0s 43.00S 171.36E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 13ph/9stn Dmin 51km Az.gap 114°
Corr. -0.220 28M/25stn Msd 0.3 1↓

94/6704
JUN 18 0648 49.7s 43.03S 171.34E 5km M=3.6
0.2 0.02 0.01 R
Rsd 0.2s 12ph/9stn Dmin 50km Az.gap 111°
Corr. -0.322 24M/20stn Msd 0.2 1↑ 1↓

94/6706
JUN 18 0651 06.3s 43.16S 171.47E 5km M=4.5
0.1 0.01 0.00 R
Rsd 0.1s 15ph/10stn Dmin 60km Az.gap 91°
Corr. -0.227 18M/9stn Msd 0.2 5↑ 2↓

94/6723
JUN 18 0703 28.4s 43.16S 171.46E 5km M=5.1
0.0 0.00 0.00 R
Rsd 0.1s 13ph/10stn Dmin 60km Az.gap 91°
Corr. -0.052 20M/10stn Msd 0.2 2↑ 4↓
Felt Greymouth (85) and Christchurch (110).

94/6724
JUN 18 0705 04.1s 43.17S 171.43E 10km M=5.0
0.1 0.01 0.01 R
Rsd 0.2s 15ph/10stn Dmin 57km Az.gap 91°
Corr. -0.309 22M/11stn Msd 0.1 1↑ 1↓
Felt Westland (79,85,92) and Christchurch (110), MM4.

94/6725
JUN 18 0706 53.4s 43.16S 171.48E 5km M=3.4
0.1 0.02 0.01 R
Rsd 0.3s 8ph/6stn Dmin 61km Az.gap 109°
Corr. -0.519 9M/9stn Msd 0.2
Felt Westport (79).

94/6753
JUN 18 0727 11.2s 43.07S 171.40E 10km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 13ph/9stn Dmin 54km Az.gap 104°
Corr. -0.185 23M/19stn Msd 0.2

94/6757
JUN 18 0731 15.3s 43.14S 171.43E 10km M=4.8
0.1 0.00 0.00 R
Rsd 0.1s 16ph/9stn Dmin 57km Az.gap 94°
Corr. 0.066 19M/10stn Msd 0.2 1↑

94/6762
JUN 18 0733 39.1s 42.98S 171.39E 10km M=3.6
0.2 0.02 0.01 R
Rsd 0.4s 11ph/6stn Dmin 54km Az.gap 116°
Corr. -0.521 10M/7stn Msd 0.2

94/6773
JUN 18 0740 39.1s 43.00S 171.34E 10km M=3.5
0.2 0.02 0.01 R
Rsd 0.3s 9ph/5stn Dmin 50km Az.gap 116°
Corr. -0.528 11M/9stn Msd 0.3

94/6782
JUN 18 0746 50.9s 43.18S 171.48E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 13ph/9stn Dmin 62km Az.gap 90°
Corr. -0.289 19M/16stn Msd 0.3 1↓

94/6790
JUN 18 0755 32.7s 43.19S 171.44E 10km M=3.6
0.1 0.01 0.00 R
Rsd 0.2s 18ph/9stn Dmin 59km Az.gap 89°
Corr. -0.248 21M/17stn Msd 0.2

94/6797
JUN 18 0803 01.3s 43.03S 171.41E 10km M=3.6
0.1 0.00 0.00 R
Rsd 0.1s 15ph/8stn Dmin 55km Az.gap 109°
Corr. -0.260 26M/22stn Msd 0.2 1↓

94/6802
JUN 18 0805 26.0s 43.14S 171.44E 10km M=3.5
0.2 0.02 0.01 R
Rsd 0.3s 12ph/8stn Dmin 58km Az.gap 94°
Corr. -0.427 11M/9stn Msd 0.2

94/6804
JUN 18 0806 00.9s 43.17S 171.49E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 10ph/6stn Dmin 62km Az.gap 111°
Corr. -0.279 14M/10stn Msd 0.2

94/6805
JUN 18 0806 20.9s 42.97S 171.39E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.3s 13ph/5stn Dmin 54km Az.gap 117°
Corr. -0.328 7M/5stn Msd 0.1

94/6819
JUN 18 0815 30.1s 42.96S 171.38E 10km M=4.5
0.1 0.02 0.01 R
Rsd 0.2s 13ph/11stn Dmin 54km Az.gap 117°
Corr. -0.562 17M/9stn Msd 0.2 1↑

94/6828
JUN 18 0821 15.6s 43.03S 171.44E 10km M=4.4
0.1 0.01 0.00 R
Rsd 0.2s 15ph/10stn Dmin 58km Az.gap 107°
Corr. -0.131 17M/9stn Msd 0.2 2↑ 2↓

94/6843
JUN 18 0835 12.0s 43.07S 171.43E 5km M=3.6
0.1 0.01 0.00 R
Rsd 0.2s 11ph/8stn Dmin 57km Az.gap 103°
Corr. -0.343 14M/10stn Msd 0.1 1↓

94/6848
JUN 18 0842 11.1s 43.05S 171.38E 10km M=4.5
0.1 0.01 0.00 R
Rsd 0.1s 11ph/8stn Dmin 53km Az.gap 106°
Corr. -0.307 17M/9stn Msd 0.2 1↑ 2↓

94/6849
JUN 18 0843 29.4s 43.01S 171.38E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.3s 14ph/6stn Dmin 53km Az.gap 112°
Corr. -0.553 7M/5stn Msd 0.1

94/6859
JUN 18 0853 32.7s 43.03S 171.45E 5km M=4.0
0.1 0.01 0.01 R
Rsd 0.1s 14ph/10stn Dmin 58km Az.gap 107°
Corr. -0.254 11M/6stn Msd 0.2 1↑ 3↓

94/6863
JUN 18 0857 31.9s 37.91S 175.94E 207km M=4.0
0.9 0.04 0.06 7
Rsd 0.5s 11ph/6stn Dmin 110km Az.gap 119°
Corr. 0.138 11M/11stn Msd 0.3

94/6898
JUN 18 0938 24.3s 43.10S 171.40E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 14ph/9stn Dmin 54km Az.gap 101°
Corr. -0.202 22M/18stn Msd 0.2

94/6899
JUN 18 0939 32.8s 43.09S 171.42E 5km M=3.7
0.1 0.01 0.00 R
Rsd 0.1s 15ph/9stn Dmin 56km Az.gap 100°
Corr. -0.417 12M/9stn Msd 0.3 1↓

94/6901
JUN 18 0940 38.7s 38.78S 175.22E 239km M=3.8
0.3 0.03 0.03 3
Rsd 0.1s 19ph/14stn Dmin 142km Az.gap 276°
Corr. -0.823 9M/9stn Msd 0.3 1↑
Poor station coverage.

94/6905
JUN 18 0943 16.9s 43.17S 171.47E 8km M=4.4
0.2 0.01 0.01 2
Rsd 0.1s 13ph/9stn Dmin 61km Az.gap 90°
Corr. -0.160 14M/7stn Msd 0.2 2↑ 3↓

94/6910
JUN 18 0952 55.2s 38.52S 175.66E 192km M=3.7
0.2 0.02 0.02 2
Rsd 0.1s 15ph/11stn Dmin 54km Az.gap 289°
Corr. 0.738 10M/10stn Msd 0.3 1↑

94/6922
JUN 18 1003 05.8s 43.09S 171.42E 5km M=3.6
0.1 0.01 0.00 R
Rsd 0.1s 12ph/9stn Dmin 56km Az.gap 101°
Corr. -0.115 21M/17stn Msd 0.2 1↓

94/6924
JUN 18 1004 36.3s 42.97S 171.41E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 14ph/9stn Dmin 56km Az.gap 117°
Corr. -0.247 19M/16stn Msd 0.2

94/6927
JUN 18 1009 52.8s 43.04S 171.38E 10km M=4.1
0.1 0.01 0.01 R
Rsd 0.2s 13ph/9stn Dmin 52km Az.gap 107°
Corr. -0.213 13M/7stn Msd 0.3 1↓

94/6943
JUN 18 1028 07.5s 42.91S 171.41E 5km M=4.5
0.1 0.00 0.00 R
Rsd 0.1s 17ph/10stn Dmin 58km Az.gap 121°
Corr. -0.270 18M/10stn Msd 0.2 1↑

94/6958
JUN 18 1043 39.2s 43.10S 171.38E 5km M=3.5
0.1 0.00 0.00 R
Rsd 0.1s 16ph/8stn Dmin 52km Az.gap 100°
Corr. -0.315 21M/17stn Msd 0.2 1↓

94/6966
JUN 18 1053 06.7s 43.07S 171.39E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 54km Az.gap 104°
Corr. -0.443 12M/9stn Msd 0.3 1↓

94/6975
JUN 18 1101 56.2s 42.99S 171.36E 10km M=3.9
0.1 0.01 0.01 R
Rsd 0.2s 16ph/9stn Dmin 52km Az.gap 116°
Corr. -0.199 32M/26stn Msd 0.2 1↑

94/6994
JUN 18 1119 04.3s 43.09S 171.45E 5km M=4.0
0.1 0.01 0.00 R
Rsd 0.1s 13ph/9stn Dmin 58km Az.gap 99°
Corr. -0.152 12M/7stn Msd 0.3 1↑ 5↓

94/6995
JUN 18 1119 44.3s 43.07S 171.43E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.3s 11ph/6stn Dmin 56km Az.gap 103°
Corr. -0.434 8M/5stn Msd 0.1

94/6999
JUN 18 1124 23.4s 43.09S 171.44E 5km M=3.8
0.1 0.01 0.00 R
Rsd 0.1s 14ph/9stn Dmin 57km Az.gap 101°
Corr. -0.209 36M/29stn Msd 0.2 1↓

94/7023
JUN 18 1144 33.6s 42.92S 171.41E 10km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 15ph/9stn Dmin 58km Az.gap 122°
Corr. -0.239 19M/15stn Msd 0.2

94/7029
JUN 18 1147 08.5s 43.17S 171.46E 10km M=3.5
0.1 0.01 0.00 R
Rsd 0.1s 11ph/7stn Dmin 60km Az.gap 97°
Corr. -0.158 11M/9stn Msd 0.2

94/7058
JUN 18 1213 17.5s 43.20S 171.49E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 62km Az.gap 87°
Corr. -0.283 26M/23stn Msd 0.2 1↑

94/7078
JUN 18 1234 49.0s 43.09S 171.41E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.1s 12ph/9stn Dmin 55km Az.gap 101°
Corr. -0.413 9M/6stn Msd 0.2 1↑ 3↓

94/7079
JUN 18 1235 12.8s 43.03S 171.44E 5km M=3.7
0.2 0.02 0.01 R
Rsd 0.2s 13ph/11stn Dmin 57km Az.gap 108°
Corr. -0.520 15M/12stn Msd 0.3 1↓

94/7089
JUN 18 1244 11.3s 43.19S 171.49E 10km M=4.1
0.1 0.01 0.00 R
Rsd 0.1s 17ph/10stn Dmin 62km Az.gap 88°
Corr. 0.223 10M/6stn Msd 0.3 1↓

94/7104
JUN 18 1310 08.1s 42.96S 171.43E 10km M=4.0
0.2 0.01 0.01 R
Rsd 0.2s 14ph/10stn Dmin 58km Az.gap 116°
Corr. -0.251 10M/6stn Msd 0.2 1↓

94/7127
JUN 18 1338 12.6s 43.21S 171.51E 10km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 63km Az.gap 132°
Corr. -0.186 11M/9stn Msd 0.2

94/7135
JUN 18 1347 28.5s 42.95S 171.33E 10km M=3.2
0.1 0.01 0.01 R
Rsd 0.3s 14ph/9stn Dmin 51km Az.gap 122°
Corr. -0.445 9M/8stn Msd 0.3 1↑
Felt Okuti (110).

94/7139
JUN 18 1353 50.1s 43.18S 171.44E 10km M=3.7
0.2 0.01 0.01 R
Rsd 0.3s 13ph/9stn Dmin 59km Az.gap 90°
Corr. -0.077 32M/25stn Msd 0.2 1↑

94/7145
JUN 18 1359 07.3s 43.21S 171.58E 5km M=3.5
0.1 0.01 0.00 R
Rsd 0.2s 13ph/9stn Dmin 68km Az.gap 84°
Corr. -0.268 24M/19stn Msd 0.3 1↑ 2↓

94/7148
JUN 18 1405 52.5s 43.10S 171.41E 5km M=3.7
0.1 0.01 0.00 R
Rsd 0.1s 12ph/9stn Dmin 55km Az.gap 99°
Corr. -0.420 11M/9stn Msd 0.2 1↑ 3↓

94/7161
JUN 18 1423 16.3s 43.13S 171.11E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 17ph/8stn Dmin 31km Az.gap 99°
Corr. -0.229 17M/15stn Msd 0.2

94/7167
JUN 18 1432 17.7s 43.20S 171.50E 5km M=4.0
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 63km Az.gap 87°
Corr. -0.186 13M/8stn Msd 0.3 2↑ 5↓

94/7172
JUN 18 1437 00.1s 43.17S 171.49E 5km M=5.2
0.1 0.01 0.00 R
Rsd 0.1s 15ph/11stn Dmin 62km Az.gap 89°
Corr. -0.256 18M/9stn Msd 0.2 5↑ 5↓
Felt Greymouth (85).

94/7201
JUN 18 1523 34.7s 43.03S 171.36E 5km M=3.7
0.1 0.01 0.00 R
Rsd 0.2s 14ph/9stn Dmin 51km Az.gap 111°
Corr. -0.134 25M/20stn Msd 0.2

94/7219
JUN 18 1600 45.6s 38.59S 175.76E 156km M=5.1
0.2 0.01 0.01 2
Rsd 0.2s 37ph/28stn Dmin 44km Az.gap 63°
Corr. -0.290 10M/8stn Msd 0.2 8↑ 8↓

94/7227
JUN 18 1612 01.8s 43.08S 171.38E 10km M=3.7
0.2 0.01 0.02 R
Rsd 0.3s 13ph/9stn Dmin 64km Az.gap 151°
Corr. -0.119 15M/13stn Msd 0.3

94/7228
JUN 18 1612 52.9s 43.16S 171.49E 10km M=3.5
0.2 0.01 0.01 R
Rsd 0.3s 11ph/8stn Dmin 65km Az.gap 138°
Corr. -0.369 10M/8stn Msd 0.2

94/7245
JUN 18 1637 04.8s 43.03S 171.41E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.1s 11ph/8stn Dmin 70km Az.gap 153°
Corr. -0.358 23M/21stn Msd 0.2 1↓

94/7246
JUN 18 1638 12.7s 43.17S 171.47E 5km M=4.5
0.1 0.01 0.01 R
Rsd 0.1s 15ph/11stn Dmin 63km Az.gap 132°
Corr. -0.549 15M/8stn Msd 0.2 1↑ 2↓

94/7260
JUN 18 1658 43.5s 43.17S 171.50E 5km M=3.7
0.2 0.01 0.01 R
Rsd 0.2s 11ph/8stn Dmin 65km Az.gap 130°
Corr. -0.113 22M/17stn Msd 0.2 1↓

94/7261
JUN 18 1659 36.8s 43.23S 171.52E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 11ph/8stn Dmin 63km Az.gap 128°
Corr. -0.577 12M/8stn Msd 0.2 1↑ 1↓

94/7262
JUN 18 1702 07.6s 38.19S 176.75E 156km M=3.7
1.2 0.06 0.06 11
Rsd 0.4s 10ph/7stn Dmin 133km Az.gap 223°
Corr. -0.439 7M/7stn Msd 0.1 1↑

94/7271
JUN 18 1711 48.7s 42.96S 171.35E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 73km Az.gap 157°
Corr. -0.396 20M/17stn Msd 0.2 1↑ 1↓

94/7276
JUN 18 1719 22.8s 43.24S 171.55E 10km M=3.8
0.2 0.01 0.01 R
Rsd 0.2s 10ph/8stn Dmin 64km Az.gap 125°
Corr. -0.162 27M/20stn Msd 0.2

94/7308
JUN 18 1811 56.0s 38.30S 176.47E 149km M=3.6
0.2 0.03 0.05 5
Rsd 0.1s 13ph/9stn Dmin 141km Az.gap 318°
Corr. -0.769 7M/7stn Msd 0.1

94/7330
JUN 18 1837 33.1s 43.19S 171.48E 5km M=4.3
0.1 0.00 0.00 R
Rsd 0.1s 12ph/9stn Dmin 62km Az.gap 131°
Corr. -0.481 15M/8stn Msd 0.2 3↑ 5↓

94/7337
JUN 18 1848 18.0s 43.06S 171.43E 5km M=4.3
0.1 0.01 0.01 R
Rsd 0.1s 12ph/8stn Dmin 69km Az.gap 136°
Corr. -0.178 12M/6stn Msd 0.2 1↓

94/7338
JUN 18 1849 06.9s 43.00S 171.43E 10km M=4.4
0.2 0.01 0.01 R
Rsd 0.1s 12ph/8stn Dmin 73km Az.gap 154°
Corr. 0.056 16M/9stn Msd 0.2 1↓

94/7350
JUN 18 1905 38.9s 43.07S 171.48E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 13ph/8stn Dmin 70km Az.gap 144°
Corr. -0.593 10M/8stn Msd 0.3

94/7369
JUN 18 1928 12.8s 43.21S 171.53E 5km M=4.2
0.1 0.01 0.01 R
Rsd 0.1s 14ph/9stn Dmin 64km Az.gap 130°
Corr. -0.386 13M/7stn Msd 0.3 1↑

94/7387
JUN 18 2001 43.5s 43.16S 171.50E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 11ph/8stn Dmin 65km Az.gap 131°
Corr. -0.372 15M/11stn Msd 0.3 1↑ 2↓

94/7399
JUN 18 2021 59.8s 43.24S 171.55E 5km M=4.5
0.1 0.01 0.01 R
Rsd 0.1s 11ph/7stn Dmin 64km Az.gap 125°
Corr. -0.186 16M/8stn Msd 0.2 1↑ 2↓

94/7419
JUN 18 2050 42.0s 42.94S 171.40E 10km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 15ph/8stn Dmin 73km Az.gap 159°
Corr. -0.426 22M/20stn Msd 0.3 1↑

94/7423
JUN 18 2100 07.1s 43.08S 171.44E 5km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 68km Az.gap 146°
Corr. -0.311 12M/8stn Msd 0.2 1↑ 1↓

94/7425
JUN 18 2102 05.7s 43.18S 171.50E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 10ph/8stn Dmin 64km Az.gap 130°
Corr. -0.307 22M/17stn Msd 0.2 1↑ 1↓

94/7432
JUN 18 2113 57.0s 42.88S 171.42E 10km M=3.8
0.2 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 70km Az.gap 159°
Corr. -0.095 26M/22stn Msd 0.2 1↑

94/7463
JUN 18 2218 30.3s 43.19S 171.48E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.1s 11ph/8stn Dmin 62km Az.gap 134°
Corr. -0.262 10M/8stn Msd 0.3 1↓

94/7484
JUN 18 2324 00.6s 43.06S 171.48E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 71km Az.gap 146°
Corr. -0.357 24M/18stn Msd 0.3 1↓

94/7566
JUN 19 0226 44.4s 43.21S 171.53E 5km M=3.5
0.2 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 65km Az.gap 130°
Corr. -0.253 24M/19stn Msd 0.3 1↓

94/7586
JUN 19 0328 12.1s 43.10S 171.46E 5km M=3.6
0.2 0.02 0.02 R
Rsd 0.3s 10ph/8stn Dmin 67km Az.gap 144°
Corr. -0.666 11M/7stn Msd 0.1 1↓

94/7593
JUN 19 0336 37.2s 43.05S 171.38E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.3s 10ph/7stn Dmin 67km Az.gap 155°
Corr. -0.500 9M/7stn Msd 0.4 1↑

94/7611
JUN 19 0428 26.5s 43.18S 171.44E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 60km Az.gap 139°
Corr. -0.547 10M/8stn Msd 0.3

94/7634
JUN 19 0543 36.2s 43.22S 171.51E 10km M=3.6
0.2 0.01 0.01 R
Rsd 0.3s 12ph/8stn Dmin 62km Az.gap 129°
Corr. -0.256 14M/10stn Msd 0.2 1↓

94/7638
JUN 19 0557 28.7s 43.18S 171.47E 10km M=3.6
0.1 0.01 0.01 R
Rsd 0.1s 11ph/8stn Dmin 62km Az.gap 137°
Corr. -0.237 11M/9stn Msd 0.2 1↑ 1↓

94/7688
JUN 19 0728 59.0s 43.12S 171.45E 7km M=3.7
0.1 0.01 0.01 1
Rsd 0.2s 15ph/9stn Dmin 17km Az.gap 134°
Corr. -0.577 32M/25stn Msd 0.2 1↑ 5↓

94/7699
JUN 19 0752 14.1s 42.99S 171.39E 7km M=3.1
0.2 0.01 0.01 2
Rsd 0.2s 13ph/9stn Dmin 19km Az.gap 157°
Corr. -0.601 8M/7stn Msd 0.3 1↑ 1↓
Felt Dunedin (145) MM3.

94/7715
JUN 19 0825 10.2s 43.18S 171.48E 3km M=4.0
0.1 0.00 0.00 1
Rsd 0.1s 11ph/8stn Dmin 20km Az.gap 131°
Corr. -0.246 13M/7stn Msd 0.1 2↑ 2↓

94/7719
JUN 19 0833 46.1s 43.20S 171.51E 4km M=3.6
0.1 0.00 0.00 1
Rsd 0.1s 12ph/8stn Dmin 21km Az.gap 130°
Corr. -0.188 27M/22stn Msd 0.3 2↑ 2↓

94/7773
JUN 19 1043 17.3s 43.19S 171.49E 5km M=4.6
0.2 0.01 0.01 2
Rsd 0.2s 13ph/9stn Dmin 21km Az.gap 130°
Corr. -0.349 16M/8stn Msd 0.2 3↑ 2↓

94/7780
JUN 19 1057 21.4s 43.20S 171.49E 4km M=4.0
0.1 0.00 0.00 1
Rsd 0.0s 11ph/8stn Dmin 22km Az.gap 130°
Corr. -0.590 13M/7stn Msd 0.2 1↑

94/7859
JUN 19 1343 51.7s 43.17S 171.47E 5km M=6.1
0.2 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 20km Az.gap 132°
Corr. -0.183 18M/9stn Msd 0.2 4↑ 4↓
Felt Wellington (68) to Dunedin (145), maximum intensity MM6 at Glenhope Stn (99).

94/7860
JUN 19 1344 28.9s 43.18S 171.43E 5km M=4.6
0.1 0.02 0.02 R
Rsd 0.1s 7ph/3stn Dmin 23km Az.gap 173°
Corr. -0.937 2M/2stn Msd 0.2

94/7861
JUN 19 1344 42.1s 43.20S 171.48E 5km M=4.4
0.1 0.01 0.01 R
Rsd 0.1s 7ph/3stn Dmin 22km Az.gap 180°
Corr. -0.870 2M/2stn Msd 0.1 1↑

94/7862
JUN 19 1345 09.1s 43.19S 171.43E 5km M=4.8
0.1 0.01 0.01 1
Rsd 0.1s 12ph/7stn Dmin 24km Az.gap 138°
Corr. -0.634 8M/8stn Msd 0.2

94/7863
JUN 19 1345 39.0s 43.17S 171.44E 10km M=4.7
0.2 0.01 0.02 R
Rsd 0.3s 8ph/4stn Dmin 22km Az.gap 170°
Corr. -0.528 8M/8stn Msd 0.2 1↑

94/7864
JUN 19 1346 05.9s 43.18S 171.51E 5km M=4.5
0.1 0.01 0.01 R
Rsd 0.1s 9ph/5stn Dmin 19km Az.gap 134°
Corr. -0.653 7M/7stn Msd 0.3 1↑

94/7869
JUN 19 1348 19.9s 42.99S 171.46E 10km M=4.1
0.1 0.01 0.01 R
Rsd 0.2s 9ph/7stn Dmin 13km Az.gap 152°
Corr. -0.337 10M/8stn Msd 0.3

94/7870
JUN 19 1349 04.3s 43.18S 171.52E 6km M=3.9
0.1 0.01 0.01 2
Rsd 0.1s 9ph/4stn Dmin 19km Az.gap 147°
Corr. -0.884 9M/5stn Msd 0.2

94/7872
JUN 19 1349 46.1s 43.18S 171.51E 5km M=4.0
0.1 0.01 0.01 R
Rsd 0.2s 12ph/5stn Dmin 20km Az.gap 134°
Corr. -0.426 8M/4stn Msd 0.2

94/7873
JUN 19 1350 07.1s 43.19S 171.53E 5km M=4.6
0.2 0.01 0.01 1
Rsd 0.2s 16ph/8stn Dmin 20km Az.gap 131°
Corr. 0.031 14M/7stn Msd 0.2 1↑
Felt Mahitahi (104) MM3.

94/7874
JUN 19 1351 07.9s 43.20S 171.54E 5km M=4.4
0.1 0.01 0.01 R
Rsd 0.2s 16ph/9stn Dmin 20km Az.gap 130°
Corr. 0.067 12M/6stn Msd 0.1 1↑

94/7875
JUN 19 1351 53.8s 43.17S 171.49E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 12ph/6stn Dmin 64km Az.gap 136°
Corr. -0.449 6M/3stn Msd 0.2

94/7880
JUN 19 1353 39.4s 43.18S 171.51E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 9ph/4stn Dmin 65km Az.gap 134°
Corr. -0.426 9M/5stn Msd 0.2

94/7884
JUN 19 1356 27.3s 43.17S 171.50E 3km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 16ph/8stn Dmin 19km Az.gap 135°
Corr. -0.544 14M/7stn Msd 0.2 1↑

94/7888
JUN 19 1400 17.3s 43.21S 171.54E 5km M=4.0
0.2 0.01 0.01 R
Rsd 0.3s 12ph/8stn Dmin 21km Az.gap 129°
Corr. -0.335 10M/5stn Msd 0.1 1↑ 1↓

94/7896
JUN 19 1405 57.8s 43.21S 171.46E 5km M=3.8
0.2 0.01 0.01 R
Rsd 0.2s 13ph/10stn Dmin 24km Az.gap 131°
Corr. -0.315 9M/6stn Msd 0.2 1↑ 1↓

94/7897
JUN 19 1406 28.1s 43.15S 171.46E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 10ph/6stn Dmin 19km Az.gap 139°
Corr. -0.820 6M/4stn Msd 0.1 1↑

94/7900
JUN 19 1407 32.3s 43.18S 171.50E 5km M=3.9
0.2 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 19km Az.gap 130°
Corr. -0.123 10M/5stn Msd 0.2 2↑ 1↓

94/7909
JUN 19 1410 54.2s 43.21S 171.52E 5km M=3.5
0.2 0.01 0.01 R
Rsd 0.3s 12ph/9stn Dmin 22km Az.gap 129°
Corr. -0.279 25M/18stn Msd 0.3 1↑

94/7918
JUN 19 1416 12.1s 43.21S 171.54E 5km M=4.0
0.2 0.01 0.02 R
Rsd 0.3s 11ph/9stn Dmin 22km Az.gap 129°
Corr. -0.406 8M/4stn Msd 0.2 3↑ 2↓
Felt Bealey Spur (100) MM4.

94/7920
JUN 19 1417 36.6s 43.21S 171.51E 5km M=3.6
0.2 0.01 0.01 R
Rsd 0.3s 13ph/7stn Dmin 22km Az.gap 131°
Corr. -0.527 12M/8stn Msd 0.2

94/7942
JUN 19 1430 09.7s 42.89S 171.40E 10km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 12ph/7stn Dmin 23km Az.gap 162°
Corr. -0.152 10M/8stn Msd 0.2 1↑ 1↓

94/7944
JUN 19 1431 03.4s 43.21S 171.51E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 22km Az.gap 130°
Corr. -0.551 15M/9stn Msd 0.2 1↑

94/7949
JUN 19 1434 41.1s 43.19S 171.51E 6km M=3.6
0.2 0.01 0.01 2
Rsd 0.2s 13ph/9stn Dmin 20km Az.gap 133°
Corr. -0.361 19M/17stn Msd 0.2 2↑ 1↓

94/7958
JUN 19 1438 20.7s 43.18S 171.51E 5km M=4.0
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 19km Az.gap 130°
Corr. -0.244 12M/6stn Msd 0.1 2↑ 1↓

94/7964
JUN 19 1442 36.1s 43.19S 171.51E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.1s 14ph/9stn Dmin 20km Az.gap 133°
Corr. -0.492 11M/9stn Msd 0.2 2↑ 2↓

94/7967
JUN 19 1444 40.6s 43.20S 171.52E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.1s 12ph/9stn Dmin 21km Az.gap 131°
Corr. -0.563 11M/8stn Msd 0.3 1↑

94/7970
JUN 19 1445 40.2s 43.17S 171.49E 5km M=4.0
0.1 0.01 0.01 R
Rsd 0.2s 16ph/9stn Dmin 19km Az.gap 135°
Corr. -0.588 14M/7stn Msd 0.2 1↑

94/7973
JUN 19 1449 43.2s 43.20S 171.49E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 22km Az.gap 130°
Corr. -0.489 9M/5stn Msd 0.2 2↑ 1↓

94/8003
JUN 19 1514 55.9s 43.17S 171.48E 8km M=3.9
0.2 0.01 0.01 1
Rsd 0.2s 10ph/7stn Dmin 20km Az.gap 132°
Corr. -0.072 8M/4stn Msd 0.2 1↑ 1↓

94/8049
JUN 19 1613 30.6s 43.20S 171.54E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 20km Az.gap 130°
Corr. -0.189 22M/21stn Msd 0.2 1↑ 1↓

94/8050
JUN 19 1618 01.3s 43.19S 171.52E 5km M=3.7
0.1 0.00 0.01 R
Rsd 0.1s 11ph/8stn Dmin 20km Az.gap 131°
Corr. -0.284 28M/24stn Msd 0.2 1↑ 1↓

94/8051
JUN 19 1619 57.0s 43.21S 171.50E 5km M=3.5
0.1 0.00 0.00 R
Rsd 0.1s 10ph/7stn Dmin 22km Az.gap 132°
Corr. -0.078 9M/8stn Msd 0.3 1↑ 1↓

94/8061
JUN 19 1632 14.7s 43.02S 171.40E 5km M=3.6
0.1 0.01 0.00 R
Rsd 0.1s 12ph/8stn Dmin 17km Az.gap 154°
Corr. -0.130 11M/9stn Msd 0.2 1↓

94/8069
JUN 19 1653 46.1s 43.15S 171.47E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.1s 11ph/8stn Dmin 18km Az.gap 139°
Corr. -0.228 12M/10stn Msd 0.3 1↑ 1↓

94/8129
JUN 19 1838 00.0s 43.18S 171.50E 5km M=4.2
0.1 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 20km Az.gap 130°
Corr. -0.516 12M/7stn Msd 0.2 3↑ 2↓

94/8130
JUN 19 1838 42.2s 43.22S 171.47E 5km M=3.7
0.2 0.01 0.01 R
Rsd 0.2s 11ph/8stn Dmin 25km Az.gap 133°
Corr. -0.464 12M/10stn Msd 0.3 1↑ 1↓

94/8155
JUN 19 1947 13.9s 38.29S 176.88E 78km M=4.0
0.3 0.01 0.01 3
Rsd 0.2s 24ph/20stn Dmin 21km Az.gap 110°
Corr. 0.346 10M/10stn Msd 0.2 1↑

94/8190
JUN 19 2055 49.5s 43.17S 171.52E 10km M=4.6
0.1 0.01 0.00 1
Rsd 0.1s 12ph/8stn Dmin 18km Az.gap 130°
Corr. -0.087 14M/7stn Msd 0.2 2↑ 1↓

94/8220
JUN 19 2154 39.7s 43.19S 171.52E 5km M=5.0
0.1 0.01 0.01 R
Rsd 0.1s 12ph/9stn Dmin 20km Az.gap 129°
Corr. -0.346 14M/7stn Msd 0.2 4↑ 4↓
Felt Greymouth (85) and Christchurch (110).

94/8224
JUN 19 2207 20.3s 43.20S 171.46E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 10ph/8stn Dmin 24km Az.gap 131°
Corr. -0.366 10M/8stn Msd 0.2 1↑

94/8259
JUN 19 2306 14.0s 38.98S 174.97E 261km M=3.8
0.4 0.04 0.04 4
Rsd 0.2s 14ph/12stn Dmin 59km Az.gap 265°
Corr. -0.750 9M/9stn Msd 0.2

94/8283
JUN 19 2357 00.1s 43.20S 171.43E 5km M=4.3
0.1 0.01 0.01 R
Rsd 0.2s 11ph/8stn Dmin 24km Az.gap 132°
Corr. -0.345 14M/8stn Msd 0.2 3↑ 2↓

94/8284
JUN 19 2358 41.1s 43.20S 171.44E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 17ph/9stn Dmin 24km Az.gap 138°
Corr. -0.627 16M/11stn Msd 0.2 1↑

94/8285
JUN 19 2359 35.3s 37.48S 176.87E 139km M=3.6
0.8 0.11 0.18 28
Rsd 0.2s 11ph/9stn Dmin 139km Az.gap 275°
Corr. -0.904 5M/5stn Msd 0.1

94/8311
JUN 20 0034 54.4s 43.17S 171.47E 3km M=3.7
0.1 0.00 0.00 1
Rsd 0.1s 13ph/8stn Dmin 20km Az.gap 137°
Corr. -0.165 10M/8stn Msd 0.2 3↑ 1↓

94/8351
JUN 20 0145 31.3s 43.15S 171.50E 8km M=3.5
0.1 0.01 0.01 1
Rsd 0.1s 15ph/10stn Dmin 16km Az.gap 137°
Corr. -0.731 35M/29stn Msd 0.4 1↑

94/8441
JUN 20 0400 08.9s 43.06S 171.48E 7km M=4.0
0.1 0.00 0.00 1
Rsd 0.1s 21ph/12stn Dmin 12km Az.gap 133°
Corr. -0.788 8M/5stn Msd 0.3 4↑ 1↓

94/8526
JUN 20 0520 33.7s 43.19S 171.54E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 16ph/10stn Dmin 10km Az.gap 86°
Corr. -0.395 9M/5stn Msd 0.2 3↑ 2↓

94/8546
JUN 20 0543 11.4s 43.21S 171.48E 5km M=3.9
0.1 0.01 0.01 1
Rsd 0.1s 18ph/11stn Dmin 6km Az.gap 78°
Corr. -0.619 12M/7stn Msd 0.2 3↑ 1↓

94/8547
JUN 20 0543 24.7s 39.04S 175.74E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.3s 29ph/23stn Dmin 10km Az.gap 84°
Corr. 0.016 22M/18stn Msd 0.4 1↑ 4↓

94/8663
JUN 20 0801 03.0s 43.20S 171.49E 6km M=3.5
0.1 0.01 0.01 1
Rsd 0.1s 17ph/11stn Dmin 6km Az.gap 76°
Corr. -0.577 27M/21stn Msd 0.3 1↑ 1↓

94/8665
JUN 20 0809 09.0s 43.20S 171.42E 4km M=3.6
0.1 0.00 0.01 0
Rsd 0.1s 19ph/11stn Dmin 3km Az.gap 133°
Corr. -0.079 14M/9stn Msd 0.3 4↑ 2↓

94/8876
JUN 20 1216 40.8s 43.17S 171.53E 6km M=4.2
0.1 0.01 0.01 1
Rsd 0.2s 21ph/13stn Dmin 8km Az.gap 98°
Corr. -0.528 19M/10stn Msd 0.2 1↑ 1↓

94/8892
JUN 20 1233 05.6s 43.14S 171.46E 5km M=4.0
0.1 0.01 0.01 1
Rsd 0.1s 19ph/14stn Dmin 5km Az.gap 133°
Corr. -0.762 14M/8stn Msd 0.2 4↑ 4↓

94/8926
JUN 20 1259 05.9s 43.17S 171.57E 5km M=3.7
0.1 0.00 0.01 R
Rsd 0.2s 17ph/13stn Dmin 7km Az.gap 98°
Corr. -0.316 10M/5stn Msd 0.1 5↑ 2↓

94/9000
JUN 20 1356 36.1s 38.20S 176.06E 210km M=3.6
0.2 0.02 0.03 3
Rsd 0.1s 19ph/14stn Dmin 115km Az.gap 304°
Corr. -0.556 9M/9stn Msd 0.2 1↑

94/9045
JUN 20 1444 06.9s 38.89S 175.66E 5km M=3.5
0.2 0.01 0.01 R
Rsd 0.5s 19ph/17stn Dmin 16km Az.gap 58°
Corr. -0.321 22M/18stn Msd 0.2 3↑ 2↓
Felt Waihora Rd (40) MM4.

94/9101
JUN 20 1543 38.4s 37.49S 176.26E 296km M=3.8
0.3 0.05 0.05 6
Rsd 0.1s 16ph/12stn Dmin 233km Az.gap 320°
Corr. -0.722 10M/10stn Msd 0.3

94/9297
JUN 20 1900 26.8s 42.99S 171.39E 10km M=3.7
0.1 0.01 0.01 1
Rsd 0.1s 20ph/14stn Dmin 18km Az.gap 139°
Corr. -0.658 9M/5stn Msd 0.2 3↑ 4↓

94/9320
JUN 20 1911 25.0s 43.19S 171.49E 6km M=3.7
0.1 0.00 0.00 1
Rsd 0.1s 18ph/11stn Dmin 6km Az.gap 83°
Corr. -0.201 10M/6stn Msd 0.2 3↑ 2↓

94/9428
JUN 20 2054 17.4s 38.96S 175.05E 223km M=3.5
0.3 0.02 0.03 3
Rsd 0.1s 15ph/10stn Dmin 54km Az.gap 282°
Corr. -0.361 5M/5stn Msd 0.2 1↑

94/9498
JUN 20 2231 02.3s 43.22S 171.47E 8km M=4.0
0.1 0.01 0.00 1
Rsd 0.1s 14ph/11stn Dmin 8km Az.gap 132°
Corr. -0.508 11M/6stn Msd 0.3 3↑ 2↓

94/9501
JUN 20 2235 18.6s 43.20S 171.42E 6km M=4.0
0.1 0.01 0.01 1
Rsd 0.2s 15ph/10stn Dmin 3km Az.gap 122°
Corr. -0.383 15M/8stn Msd 0.2 2↑ 3↓

94/9503
JUN 20 2237 14.4s 43.19S 171.51E 5km M=4.0
0.1 0.01 0.00 R
Rsd 0.1s 15ph/11stn Dmin 7km Az.gap 88°
Corr. -0.229 16M/8stn Msd 0.2 2↑ 4↓

94/9516
JUN 20 2247 03.7s 40.38S 173.59E 186km M=3.8
0.4 0.03 0.02 4
Rsd 0.2s 23ph/20stn Dmin 55km Az.gap 183°
Corr. -0.342 13M/12stn Msd 0.3 4↑ 2↓

94/9567
JUN 20 2342 16.7s 43.19S 171.51E 9km M=3.6
0.1 0.00 0.00 0
Rsd 0.1s 18ph/12stn Dmin 7km Az.gap 86°
Corr. -0.066 8M/4stn Msd 0.1 3↑ 3↓

94/9660
JUN 21 0118 20.2s 43.20S 171.50E 8km M=3.9
0.1 0.01 0.01 1
Rsd 0.1s 18ph/12stn Dmin 7km Az.gap 78°
Corr. -0.220 8M/4stn Msd 0.1 2↑ 3↓

94/9701
JUN 21 0218 23.9s 43.19S 171.49E 5km M=5.7
0.1 0.01 0.01 R
Rsd 0.2s 21ph/13stn Dmin 6km Az.gap 77°
Corr. 0.194 20M/10stn Msd 0.2 2↑ 5↓
Felt Wellington (68) to Christchurch (110), maximum intensity MM4.

94/9713
JUN 21 0222 38.3s 43.19S 171.50E 5km M=3.7
0.1 0.01 0.01 1
Rsd 0.1s 14ph/9stn Dmin 6km Az.gap 84°
Corr. 0.473 8M/4stn Msd 0.2 1↑ 1↓

94/9762
JUN 21 0246 44.7s 43.18S 171.52E 4km M=3.7
0.1 0.01 0.00 1
Rsd 0.2s 13ph/9stn Dmin 7km Az.gap 145°
Corr. 0.177 8M/4stn Msd 0.2 2↑ 1↓

94/9816
JUN 21 0325 41.1s 43.19S 171.47E 5km M=3.7
0.1 0.01 0.01 1
Rsd 0.2s 14ph/10stn Dmin 4km Az.gap 75°
Corr. 0.174 9M/5stn Msd 0.2 3↑ 2↓

94/9872
JUN 21 0427 16.3s 43.19S 171.47E 4km M=3.7
0.1 0.01 0.00 1
Rsd 0.2s 15ph/10stn Dmin 4km Az.gap 70°
Corr. 0.182 8M/4stn Msd 0.3 3↑ 2↓

94/9960
JUN 21 0630 28.7s 42.98S 171.44E 9km M=3.7
0.1 0.00 0.00 1
Rsd 0.1s 16ph/11stn Dmin 22km Az.gap 137°
Corr. -0.088 27M/21stn Msd 0.2 4↑ 4↓

94/10064
JUN 21 0831 42.0s 43.17S 171.49E 5km M=5.2
0.1 0.01 0.01 R
Rsd 0.2s 18ph/13stn Dmin 6km Az.gap 109°
Corr. 0.001 25M/13stn Msd 0.2 2↑ 1↓
Felt Westport (79) to Christchurch (110), maximum intensity MM4.

94/10065
JUN 21 0832 06.9s 43.18S 171.51E 7km M=4.0
0.1 0.01 0.01 2
Rsd 0.1s 8ph/4stn Dmin 7km Az.gap 205°
Corr. 0.805 5M/5stn Msd 0.2 1↑

94/10067
JUN 21 0833 14.4s 43.19S 171.48E 8km M=4.0
0.1 0.01 0.01 1
Rsd 0.3s 9ph/6stn Dmin 5km Az.gap 111°
Corr. 0.002 12M/6stn Msd 0.2 1↑ 3↓

94/10073
JUN 21 0835 07.5s 43.19S 171.49E 6km M=3.7
0.1 0.01 0.01 1
Rsd 0.2s 15ph/11stn Dmin 6km Az.gap 79°
Corr. 0.079 10M/6stn Msd 0.2 2↑ 3↓

94/10132
JUN 21 0927 40.4s 43.15S 171.50E 8km M=4.1
0.1 0.01 0.01 1
Rsd 0.1s 19ph/13stn Dmin 7km Az.gap 119°
Corr. 0.110 18M/9stn Msd 0.3 3↑ 2↓

94/10173
JUN 21 1049 54.9s 38.77S 175.62E 117km M=3.6
0.5 0.02 0.06 7
Rsd 0.2s 14ph/11stn Dmin 71km Az.gap 210°
Corr. -0.340 2M/1stn Msd 0.0 1↑

94/10360
JUN 21 1642 11.5s 43.16S 171.56E 5km M=3.5
0.1 0.00 0.00 R
Rsd 0.1s 15ph/9stn Dmin 8km Az.gap 104°
Corr. -0.095 16M/10stn Msd 0.2 2↑ 2↓

94/10455
JUN 21 1908 40.8s 43.10S 171.45E 10km M=3.9
0.1 0.00 0.01 R
Rsd 0.1s 15ph/10stn Dmin 8km Az.gap 134°
Corr. -0.122 10M/6stn Msd 0.2 2↑ 3↓

94/10543
JUN 21 2145 51.1s 43.17S 171.57E 9km M=3.6
0.1 0.01 0.01 1
Rsd 0.2s 13ph/8stn Dmin 8km Az.gap 146°
Corr. -0.325 8M/4stn Msd 0.1 2↑ 3↓

94/10734
JUN 22 0418 25.1s 36.98S 174.57E 12km M=3.6
0.2 0.01 0.01 R
Rsd 0.1s 6ph/3stn Dmin 106km Az.gap 213°
Corr. 0.705 4M/2stn Msd 0.4
Poor station coverage, no AUC data.

94/10756
JUN 22 0447 30.6s 37.70S 176.16E 263km M=4.9
0.9 0.04 0.05 7
Rsd 0.2s 17ph/14stn Dmin 53km Az.gap 123°
Corr. -0.108 19M/16stn Msd 0.2 1↑

94/10805
JUN 22 0605 19.2s 37.68S 175.90E 268km M=3.9
0.8 0.09 0.12 15
Rsd 0.3s 20ph/15stn Dmin 212km Az.gap 246°
Corr. -0.935 16M/14stn Msd 0.3
Poor station coverage.

94/10816
JUN 22 0624 03.0s 43.18S 171.47E 5km M=3.6
0.1 0.00 0.00 1
Rsd 0.1s 23ph/14stn Dmin 4km Az.gap 91°
Corr. -0.215 14M/7stn Msd 0.1 5↑ 3↓

94/10867
JUN 22 0741 46.5s 43.02S 171.39E 7km M=3.9
0.1 0.00 0.00 1
Rsd 0.1s 23ph/14stn Dmin 11km Az.gap 139°
Corr. -0.586 16M/8stn Msd 0.2 5↑ 3↓

94/10957
JUN 22 1050 03.6s 42.92S 171.40E 8km M=3.5
0.1 0.00 0.00 1
Rsd 0.1s 24ph/15stn Dmin 16km Az.gap 160°
Corr. -0.538 16M/8stn Msd 0.2 4↑ 4↓

94/11124
JUN 22 1519 56.2s 42.97S 171.47E 5km M=3.6
0.1 0.00 0.00 1
Rsd 0.1s 21ph/13stn Dmin 9km Az.gap 151°
Corr. -0.465 12M/6stn Msd 0.2 4↑ 2↓

94/11131
JUN 22 1528 42.0s 40.40S 173.54E 176km M=3.6
0.4 0.03 0.02 4
Rsd 0.2s 27ph/21stn Dmin 55km Az.gap 183°
Corr. -0.549 15M/13stn Msd 0.3 1↑

94/11197
JUN 22 1746 16.2s 37.11S 177.36E 272km M=3.7
0.5 0.05 0.07 6
Rsd 0.2s 11ph/8stn Dmin 133km Az.gap 289°
Corr. -0.821 8M/8stn Msd 0.1

94/11252
JUN 22 1936 49.9s 43.16S 171.45E 8km M=3.7
0.0 0.00 0.00 0
Rsd 0.1s 23ph/14stn Dmin 2km Az.gap 80°
Corr. 0.090 17M/9stn Msd 0.1 2↑ 4↓

94/11311
JUN 22 2115 16.5s 42.91S 171.42E 9km M=4.1
0.1 0.01 0.00 1
Rsd 0.1s 19ph/13stn Dmin 15km Az.gap 140°
Corr. -0.447 20M/11stn Msd 0.2 3↑ 4↓

94/11562
JUN 23 0603 33.6s 43.04S 171.38E 9km M=3.7
0.1 0.00 0.00 0
Rsd 0.1s 26ph/16stn Dmin 6km Az.gap 122°
Corr. -0.233 16M/8stn Msd 0.2 6↑ 3↓

94/11649
JUN 23 0856 57.5s 42.99S 171.46E 5km M=3.8
0.1 0.00 0.00 1
Rsd 0.1s 24ph/14stn Dmin 10km Az.gap 134°
Corr. -0.309 18M/9stn Msd 0.1 5↑ 4↓

94/11786
JUN 23 1416 46.9s 42.98S 171.36E 7km M=4.0
0.0 0.00 0.00 0
Rsd 0.1s 26ph/17stn Dmin 9km Az.gap 135°
Corr. -0.250 22M/11stn Msd 0.2 7↑ 7↓

94/11827
JUN 23 1535 44.6s 43.09S 171.44E 5km M=3.6
0.0 0.00 0.00 1
Rsd 0.1s 26ph/17stn Dmin 5km Az.gap 85°
Corr. -0.159 19M/10stn Msd 0.2 8↑ 5↓

94/11974
JUN 23 2050 11.6s 39.30S 173.86E 12km M=3.7
0.4 0.02 0.03 R
Rsd 0.3s 13ph/12stn Dmin 7km Az.gap 206°
Corr. -0.164 23M/19stn Msd 0.2 2↑ 3↓

94/11984
JUN 23 2112 36.2s 45.93S 166.94E 117km M=4.4
0.1 0.01 0.01 1
Rsd 0.1s 14ph/12stn Dmin 78km Az.gap 250°
Corr. 0.177 8M/4stn Msd 0.2 1↑

94/12015
JUN 23 2244 54.9s 43.16S 171.45E 8km M=3.5
0.0 0.00 0.00 0
Rsd 0.1s 23ph/13stn Dmin 3km Az.gap 73°
Corr. -0.039 18M/9stn Msd 0.2 3↑ 7↓

94/12026
JUN 23 2314 07.3s 40.48S 176.33E 24km M=3.6
0.2 0.01 0.01 2
Rsd 0.3s 19ph/15stn Dmin 20km Az.gap 186°
Corr. -0.622 20M/16stn Msd 0.2 1↑ 2↓

94/12038
JUN 23 2344 49.4s 42.98S 171.40E 7km M=2.6
0.0 0.00 0.00 0
Rsd 0.1s 17ph/11stn Dmin 9km Az.gap 72°
Corr. 0.024 8M/5stn Msd 0.1 8↑ 1↓
Felt Branches (94).

94/12043
JUN 23 2355 02.9s 42.95S 171.43E 7km M=4.1
0.0 0.00 0.00 0
Rsd 0.1s 33ph/21stn Dmin 13km Az.gap 74°
Corr. -0.042 24M/13stn Msd 0.2 7↑ 9↓

94/12054
JUN 24 0038 35.9s 43.19S 171.42E 8km M=3.5
0.1 0.00 0.00 1
Rsd 0.1s 30ph/20stn Dmin 2km Az.gap 91°
Corr. 0.186 20M/10stn Msd 0.2 3↑ 5↓

94/12154
JUN 24 0456 50.2s 37.44S 176.91E 267km M=4.0
0.2 0.02 0.02 2
Rsd 0.1s 21ph/15stn Dmin 224km Az.gap 332°
Corr. -0.109 12M/12stn Msd 0.1

94/12199
JUN 24 0636 53.8s 37.88S 177.00E 182km M=3.6
1.6 0.05 0.11 13
Rsd 0.3s 8ph/6stn Dmin 124km Az.gap 273°
Corr. 0.607 2M/2stn Msd 0.1 1↓

94/12264
JUN 24 0925 32.6s 43.02S 171.42E 5km M=4.1
0.0 0.00 0.00 0
Rsd 0.1s 33ph/23stn Dmin 4km Az.gap 61°
Corr. -0.081 26M/13stn Msd 0.1 9↑ 8↓

94/12304
JUN 24 1054 21.2s 43.04S 171.37E 6km M=3.6
0.0 0.00 0.00 1
Rsd 0.1s 33ph/20stn Dmin 5km Az.gap 58°
Corr. 0.241 23M/12stn Msd 0.2 12↑ 1↓

94/12393
JUN 24 1518 34.6s 42.96S 171.41E 9km M=4.3
0.0 0.00 0.00 0
Rsd 0.1s 33ph/20stn Dmin 5km Az.gap 74°
Corr. 0.010 33M/17stn Msd 0.2 10↑ 5↓

94/12499
JUN 24 2023 32.8s 39.54S 174.31E 193km M=3.6
0.4 0.01 0.02 4
Rsd 0.1s 15ph/13stn Dmin 109km Az.gap 227°
Corr. -0.364 10M/10stn Msd 0.3 1↓

94/12507
JUN 24 2047 01.0s 42.97S 171.44E 10km M=4.3
0.0 0.00 0.00 0
Rsd 0.1s 36ph/22stn Dmin 3km Az.gap 69°
Corr. -0.114 33M/17stn Msd 0.3 5↑ 9↓

94/12560
JUN 24 2353 24.9s 43.08S 171.42E 9km M=4.1
0.0 0.00 0.00 0
Rsd 0.1s 34ph/21stn Dmin 6km Az.gap 68°
Corr. 0.051 31M/17stn Msd 0.2 10↑ 6↓

94/12587
JUN 25 0103 08.6s 42.99S 171.45E 5km M=3.5
0.0 0.00 0.00 0
Rsd 0.1s 35ph/21stn Dmin 1km Az.gap 63°
Corr. 0.071 23M/12stn Msd 0.2 3↑ 8↓

94/12592
JUN 25 0110 53.8s 43.24S 171.55E 6km M=3.6
0.1 0.00 0.00 1
Rsd 0.2s 34ph/23stn Dmin 2km Az.gap 58°
Corr. -0.033 22M/11stn Msd 0.2 10↑ 4↓

94/12600
JUN 25 0139 00.9s 43.11S 171.45E 7km M=4.1
0.0 0.00 0.00 0
Rsd 0.1s 37ph/22stn Dmin 5km Az.gap 71°
Corr. 0.062 32M/16stn Msd 0.2 9↑ 4↓

94/12627
JUN 25 0244 06.3s 43.18S 171.55E 7km M=3.7
0.1 0.00 0.00 1
Rsd 0.2s 28ph/18stn Dmin 2km Az.gap 49°
Corr. 0.164 22M/11stn Msd 0.2 6↑ 4↓

94/12690
JUN 25 0523 52.1s 43.04S 171.47E 11km M=4.0
0.1 0.00 0.00 0
Rsd 0.2s 32ph/21stn Dmin 4km Az.gap 51°
Corr. -0.021 26M/14stn Msd 0.2 9↑ 3↓

94/12944
JUN 25 1421 49.1s 42.97S 171.43E 10km M=4.0
0.1 0.01 0.01 1
Rsd 0.3s 30ph/22stn Dmin 3km Az.gap 68°
Corr. -0.036 21M/11stn Msd 0.1 6↑ 9↓

94/13071
JUN 25 1908 34.7s 38.26S 176.29E 200km M=3.7
0.5 0.04 0.05 5
Rsd 0.1s 18ph/15stn Dmin 149km Az.gap 307°
Corr. -0.690 7M/7stn Msd 0.3

94/13113
JUN 25 2036 36.0s 37.19S 176.58E 364km M=3.8
2.4 0.32 0.43 37
Rsd 0.4s 10ph/10stn Dmin 178km Az.gap 281°
Corr. -0.951 6M/6stn Msd 0.1
Poor station coverage.

94/13192
JUN 25 2343 20.1s 43.10S 171.46E 5km M=3.7
0.0 0.00 0.00 1
Rsd 0.1s 25ph/19stn Dmin 4km Az.gap 67°
Corr. -0.089 22M/11stn Msd 0.2 8↑ 2↓

94/13204
JUN 26 0013 36.4s 38.24S 178.33E 12km M=4.1
0.6 0.02 0.04 R
Rsd 0.2s 12ph/10stn Dmin 19km Az.gap 234°
Corr. -0.787 9M/9stn Msd 0.4 1↓

94/13218
JUN 26 0036 15.0s 44.89S 168.35E 19km M=3.5
0.1 0.01 0.01 1
Rsd 0.1s 18ph/14stn Dmin 41km Az.gap 109°
Corr. 0.584 8M/4stn Msd 0.2 1↑ 1↓
Felt Earnslaw (121) MM4.

94/13296
JUN 26 0416 50.2s 38.80S 176.63E 67km M=3.8
0.3 0.01 0.01 5
Rsd 0.3s 22ph/19stn Dmin 48km Az.gap 106°
Corr. -0.121 11M/9stn Msd 0.2 2↑ 1↓

94/13458
JUN 26 1106 04.8s 43.09S 171.44E 5km M=4.0
0.1 0.00 0.00 1
Rsd 0.2s 30ph/20stn Dmin 5km Az.gap 54°
Corr. -0.064 28M/16stn Msd 0.2 8↑ 7↓

94/13540
JUN 26 1404 20.2s 37.69S 177.60E 52km M=3.8
0.2 0.02 0.01 4
Rsd 0.2s 16ph/13stn Dmin 41km Az.gap 183°
Corr. 0.344 6M/5stn Msd 0.2 1↓

94/13663
JUN 26 1812 13.1s 43.04S 171.37E 10km M=4.1
0.0 0.00 0.00 0
Rsd 0.1s 27ph/19stn Dmin 4km Az.gap 60°
Corr. -0.056 23M/12stn Msd 0.2 9↑ 5↓

94/13751
JUN 26 2200 17.5s 39.90S 173.84E 227km M=3.8
0.4 0.02 0.03 4
Rsd 0.2s 24ph/20stn Dmin 100km Az.gap 196°
Corr. -0.512 8M/6stn Msd 0.2

94/13925
JUN 27 0526 41.8s 43.17S 171.55E 7km M=3.5
0.0 0.00 0.00 1
Rsd 0.2s 32ph/21stn Dmin 8km Az.gap 47°
Corr. -0.020 20M/10stn Msd 0.2 8↑ 4↓

94/13960
JUN 27 0641 32.2s 36.90S 176.99E 311km M=4.0
0.5 0.04 0.05 6
Rsd 0.1s 13ph/9stn Dmin 171km Az.gap 294°
Corr. -0.771 6M/6stn Msd 0.1

94/13972
JUN 27 0704 03.5s 38.29S 175.86E 231km M=3.7
0.2 0.02 0.03 3
Rsd 0.1s 19ph/15stn Dmin 162km Az.gap 299°
Corr. -0.738 8M/8stn Msd 0.2

94/14171
JUN 27 1341 16.4s 36.71S 176.97E 272km M=3.5
0.4 0.08 0.06 14
Rsd 0.0s 12ph/11stn Dmin 405km Az.gap 348°
Corr. -0.621 7M/7stn Msd 0.2

94/14241
JUN 27 1551 14.3s 45.20S 167.40E 86km M=3.5
0.2 0.01 0.01 2
Rsd 0.1s 17ph/13stn Dmin 71km Az.gap 233°
Corr. -0.192 17M/13stn Msd 0.2 1↓

94/14599
JUN 28 0756 43.8s 43.03S 171.39E 8km M=3.6
0.0 0.00 0.00 0
Rsd 0.1s 34ph/21stn Dmin 7km Az.gap 60°
Corr. 0.060 20M/10stn Msd 0.2 7↑ 5↓

94/14687
JUN 28 1205 32.4s 43.08S 171.44E 6km M=3.9
0.0 0.00 0.00 0
Rsd 0.1s 29ph/19stn Dmin 4km Az.gap 51°
Corr. -0.115 20M/11stn Msd 0.1 8↑ 2↓

94/14769
JUN 28 1557 44.8s 43.04S 171.39E 7km M=3.8
0.0 0.00 0.00 0
Rsd 0.1s 26ph/16stn Dmin 8km Az.gap 85°
Corr. -0.092 14M/7stn Msd 0.2 5↑ 4↓

94/14793
JUN 28 1659 05.8s 37.57S 177.73E 86km M=4.1
0.3 0.02 0.01 4
Rsd 0.2s 20ph/16stn Dmin 48km Az.gap 158°
Corr. 0.090 3M/1stn Msd 0.1 1↓

94/14837
JUN 28 1905 21.8s 38.00S 175.95E 287km M=4.1
0.2 0.03 0.04 4
Rsd 0.1s 15ph/12stn Dmin 188km Az.gap 305°
Corr. -0.877 10M/9stn Msd 0.1

94/15028
JUN 29 0422 45.1s 38.03S 179.35E 12km M=3.7
0.5 0.03 0.02 R
Rsd 0.2s 11ph/7stn Dmin 96km Az.gap 315°
Corr. 0.446 4M/4stn Msd 0.2

94/15053
JUN 29 0513 33.2s 37.94S 177.29E 66km M=3.5
0.2 0.02 0.01 2
Rsd 0.2s 17ph/14stn Dmin 46km Az.gap 102°
Corr. -0.177 2M/2stn Msd 0.1

94/15056
JUN 29 0519 46.2s 38.40S 175.66E 199km M=3.6
0.7 0.10 0.16 16
Rsd 0.2s 7ph/5stn Dmin 156km Az.gap 319°
Corr. -0.913 2M/2stn Msd 0.1

94/15062
JUN 29 0538 32.2s 43.10S 171.47E 10km M=4.9
0.0 0.00 0.00 0
Rsd 0.1s 32ph/21stn Dmin 3km Az.gap 60°
Corr. -0.181 28M/15stn Msd 0.2 9↑ 7↓
Felt Paroa (92) MM4.

94/15068
JUN 29 0545 28.3s 43.10S 171.47E 10km M=3.7
0.0 0.00 0.00 0
Rsd 0.1s 26ph/18stn Dmin 3km Az.gap 71°
Corr. -0.225 16M/8stn Msd 0.2 8↑ 4↓

94/15143
JUN 29 0941 15.2s 38.67S 175.83E 174km M=3.7
0.3 0.03 0.06 5
Rsd 0.1s 12ph/7stn Dmin 123km Az.gap 294°
Corr. -0.611 11M/11stn Msd 0.3 1↑

94/15244
JUN 29 1536 23.6s 43.15S 171.46E 8km M=3.8
0.0 0.00 0.00 0
Rsd 0.1s 24ph/12stn Dmin 4km Az.gap 77°
Corr. -0.168 16M/8stn Msd 0.2 5↑ 5↓

94/15264
JUN 29 1618 01.0s 44.99S 167.62E 127km M=4.1
0.3 0.01 0.02 2
Rsd 0.1s 17ph/12stn Dmin 43km Az.gap 226°
Corr. 0.215 8M/4stn Msd 0.2 1↑ 6↓

94/15279
JUN 29 1656 46.2s 35.56S 178.31E 226km M=4.2
1.5 0.05 0.11 23
Rsd 0.2s 9ph/8stn Dmin 268km Az.gap 294°
Corr. 0.735 11M/11stn Msd 0.3

94/15536
JUN 30 0825 21.5s 38.17S 175.70E 290km M=4.1
0.1 0.01 0.02 2
Rsd 0.1s 21ph/16stn Dmin 113km Az.gap 289°
Corr. -0.583 15M/13stn Msd 0.2

94/15672
JUN 30 1624 03.3s 37.20S 177.31E 155km M=4.5
0.6 0.03 0.02 5
Rsd 0.2s 17ph/15stn Dmin 39km Az.gap 180°
Corr. 0.560 19M/16stn Msd 0.2

94/15710
JUN 30 1824 08.6s 37.23S 176.35E 320km M=3.8
0.3 0.04 0.06 4
Rsd 0.1s 12ph/10stn Dmin 275km Az.gap 338°
Corr. -0.931 9M/9stn Msd 0.2

94/15723
JUN 30 1853 12.8s 37.85S 176.44E 225km M=3.6
0.2 0.02 0.02 2
Rsd 0.1s 15ph/12stn Dmin 172km Az.gap 327°
Corr. -0.280 4M/4stn Msd 0.2

94/15735
JUN 30 1928 36.3s 37.10S 177.50E 12km M=3.6
0.5 0.04 0.03 R
Rsd 0.4s 9ph/8stn Dmin 90km Az.gap 205°
Corr. 0.650 10M/10stn Msd 0.2

94/15749
JUN 30 2020 12.3s 36.78S 177.44E 226km M=3.7
1.0 0.05 0.19 18
Rsd 0.1s 10ph/10stn Dmin 154km Az.gap 287°
Corr. -0.717 6M/6stn Msd 0.2

94/15799
JUN 30 2259 03.8s 36.85S 177.34E 207km M=4.3
0.7 0.03 0.03 5
Rsd 0.3s 11ph/9stn Dmin 119km Az.gap 220°
Corr. 0.490 17M/15stn Msd 0.2 1↓

94/15857
JUL 01 0205 14.1s 36.89S 176.30E 33km M=4.2
1.1 0.08 0.05 R
Rsd 0.2s 11ph/9stn Dmin 194km Az.gap 276°
Corr. -0.901 7M/7stn Msd 0.2

94/15945
JUL 01 0640 29.4s 35.53S 177.04E 100km M=4.0
1.7 0.12 0.09 R
Rsd 0.6s 9ph/7stn Dmin 256km Az.gap 321°
Corr. 0.073 2M/2stn Msd 0.3

94/16044
JUL 01 1201 56.5s 42.99S 171.36E 6km M=3.8
0.1 0.00 0.00 1
Rsd 0.1s 20ph/11stn Dmin 15km Az.gap 106°
Corr. 0.184 14M/7stn Msd 0.2 2↑ 6↓

94/16121
JUL 01 1727 48.3s 39.07S 178.33E 96km M=3.5
0.7 0.02 0.03 14
Rsd 0.3s 23ph/20stn Dmin 140km Az.gap 221°
Corr. -0.609 14M/12stn Msd 0.2

94/16128
JUL 01 1808 01.5s 38.28S 175.95E 312km M=3.8
0.2 0.04 0.05 4
Rsd 0.1s 21ph/16stn Dmin 159km Az.gap 299°
Corr. -0.828 11M/11stn Msd 0.2

94/16200
JUL 01 2320 29.4s 43.02S 171.40E 8km M=3.6
0.0 0.00 0.00 0
Rsd 0.1s 22ph/15stn Dmin 10km Az.gap 82°
Corr. 0.041 12M/6stn Msd 0.2 5↑ 5↓

94/16281
JUL 02 0602 03.9s 37.20S 177.15E 177km M=4.7
0.5 0.02 0.02 4
Rsd 0.1s 18ph/15stn Dmin 97km Az.gap 183°
Corr. 0.562 21M/17stn Msd 0.3 1↑ 1↓

94/16304
JUL 02 0721 27.5s 42.93S 171.44E 10km M=3.9
0.1 0.00 0.01 1
Rsd 0.2s 20ph/14stn Dmin 12km Az.gap 120°
Corr. -0.042 16M/9stn Msd 0.1 5↑ 6↓

94/16337
JUL 02 0951 58.6s 43.13S 171.48E 8km M=3.9
0.0 0.00 0.00 0
Rsd 0.1s 19ph/13stn Dmin 6km Az.gap 123°
Corr. 0.068 12M/7stn Msd 0.1 8↑ 1↓

94/16489
JUL 02 2132 02.7s 39.55S 176.87E 21km M=3.3
0.3 0.01 0.03 2
Rsd 0.3s 18ph/16stn Dmin 4km Az.gap 180°
Corr. 0.004 10M/8stn Msd 0.2 1↑ 1↓
Felt Napier (60).

94/16656
JUL 03 1136 59.4s 43.17S 171.54E 7km M=2.7
0.0 0.00 0.00 1
Rsd 0.1s 16ph/11stn Dmin 3km Az.gap 70°
Corr. -0.141 9M/5stn Msd 0.1 7↑ 3↓
Felt Erewhon (106) MM3.

94/16662
JUL 03 1213 24.2s 38.05S 176.40E 137km M=4.2
0.6 0.02 0.03 5
Rsd 0.2s 19ph/17stn Dmin 5km Az.gap 105°
Corr. 0.036 15M/13stn Msd 0.3 1↑

94/16664
JUL 03 1228 01.9s 37.64S 178.16E 56km M=3.5
0.6 0.02 0.04 6
Rsd 0.1s 11ph/9stn Dmin 14km Az.gap 133°
Corr. 0.713 7M/7stn Msd 0.3

94/16765
JUL 03 2123 51.7s 38.33S 176.14E 152km M=4.8
0.3 0.01 0.02 3
Rsd 0.2s 29ph/24stn Dmin 12km Az.gap 84°
Corr. -0.399 19M/14stn Msd 0.3 5↑ 3↓

94/16818
JUL 04 0412 25.3s 38.26S 178.31E 12km M=3.6
1.1 0.05 0.06 R
Rsd 0.3s 6ph/5stn Dmin 21km Az.gap 277°
Corr. -0.810 5M/5stn Msd 0.1

94/16929
JUL 04 1738 41.5s 43.26S 171.55E 9km M=3.3
0.1 0.01 0.01 1
Rsd 0.2s 18ph/12stn Dmin 7km Az.gap 69°
Corr. 0.178 8M/4stn Msd 0.2 3↑ 1↓
Felt Lake Coleridge (100), largest of several small shocks.

94/16939
JUL 04 1828 45.1s 44.85S 171.33E 5km M=4.4
0.1 0.01 0.01 R
Rsd 0.1s 15ph/13stn Dmin 58km Az.gap 187°
Corr. -0.782 18M/9stn Msd 0.2 1↓

94/16962
JUL 04 2221 54.7s 45.09S 167.55E 132km M=4.0
0.6 0.02 0.04 4
Rsd 0.3s 8ph/6stn Dmin 55km Az.gap 226°
Corr. -0.322 12M/6stn Msd 0.3 1↓

94/16986
JUL 05 0150 49.9s 38.99S 175.43E 15km M=3.8
0.6 0.03 0.04 3
Rsd 0.4s 12ph/10stn Dmin 7km Az.gap 236°
Corr. -0.464 22M/17stn Msd 0.4 1↑ 1↓
Felt Kakahi (39) MM3 and Taumarunui.

94/17038
JUL 05 1012 37.1s 43.28S 171.52E 6km M=5.0
0.1 0.01 0.01 2
Rsd 0.1s 14ph/9stn Dmin 14km Az.gap 81°
Corr. -0.436 24M/12stn Msd 0.2 3↑ 3↓
Felt Lake Coleridge (100) MM4, Whatoroa (97) and Christchurch (110).

94/17039
JUL 05 1012 55.8s 43.27S 171.57E 5km M=3.9
0.2 0.01 0.01 R
Rsd 0.1s 6ph/3stn Dmin 16km Az.gap 311°
Corr. -0.323 3M/3stn Msd 0.4

94/17089
JUL 05 1353 34.4s 39.18S 175.16E 116km M=3.5
0.2 0.01 0.01 2
Rsd 0.1s 24ph/20stn Dmin 25km Az.gap 201°
Corr. -0.026 15M/13stn Msd 0.2 3↑ 1↓

94/17099
JUL 05 1512 20.6s 43.27S 171.52E 9km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 15ph/11stn Dmin 13km Az.gap 81°
Corr. -0.481 10M/5stn Msd 0.1 1↑ 2↓

94/17126
JUL 05 1856 43.8s 43.27S 171.52E 10km M=3.6
0.1 0.01 0.01 1
Rsd 0.1s 16ph/10stn Dmin 13km Az.gap 81°
Corr. -0.440 10M/5stn Msd 0.2 1↓

94/17138
JUL 05 2114 44.1s 38.30S 176.25E 215km M=3.8
0.4 0.03 0.04 5
Rsd 0.1s 18ph/14stn Dmin 155km Az.gap 322°
Corr. -0.645 6M/6stn Msd 0.2

94/17144
JUL 05 2155 28.2s 39.01S 175.85E 5km M=3.6
0.3 0.02 0.01 R
Rsd 0.3s 17ph/13stn Dmin 20km Az.gap 214°
Corr. 0.531 15M/11stn Msd 0.3 1↓

94/17146
JUL 05 2230 45.4s 43.17S 171.54E 7km M=3.7
0.1 0.01 0.00 1
Rsd 0.1s 15ph/11stn Dmin 9km Az.gap 75°
Corr. -0.534 9M/5stn Msd 0.2 3↑ 3↓

94/17197
JUL 06 1223 57.0s 38.14S 177.38E 181km M=3.6
0.6 0.12 0.19 8
Rsd 0.2s 9ph/7stn Dmin 77km Az.gap 199°
Corr. -0.989 17M/14stn Msd 0.5

94/17213
JUL 06 1739 32.5s 36.12S 176.75E 180km M=4.0
0.7 0.07 0.16 28
Rsd 0.2s 8ph/6stn Dmin 215km Az.gap 308°
Corr. -0.833 4M/3stn Msd 0.1

94/17216
JUL 06 2204 44.2s 45.38S 166.90E 5km M=3.8
0.4 0.01 0.02 R
Rsd 0.2s 16ph/12stn Dmin 100km Az.gap 255°
Corr. -0.121 19M/13stn Msd 0.2

94/17231
JUL 07 0452 09.9s 37.15S 177.45E 12km M=3.6
0.3 0.02 0.01 R
Rsd 0.3s 8ph/5stn Dmin 91km Az.gap 198°
Corr. 0.430 6M/4stn Msd 0.4

94/17233
JUL 07 0625 01.6s 37.31S 178.03E 84km M=3.6
0.5 0.03 0.03 3
Rsd 0.2s 7ph/5stn Dmin 40km Az.gap 286°
Corr. -0.710 3M/3stn Msd 0.2 1↓

94/17234
JUL 07 0736 12.3s 38.15S 178.27E 12km M=3.8
0.2 0.01 0.02 R
Rsd 0.3s 7ph/4stn Dmin 8km Az.gap 199°
Corr. -0.577 5M/3stn Msd 0.3 1↑

94/17249
JUL 07 1350 23.1s 38.21S 175.77E 220km M=3.8
0.8 0.13 0.15 17
Rsd 0.4s 18ph/13stn Dmin 173km Az.gap 232°
Corr. -0.931 9M/9stn Msd 0.2

94/17252
JUL 07 1707 28.1s 43.00S 171.34E 9km M=3.6
0.1 0.01 0.00 1
Rsd 0.1s 12ph/9stn Dmin 20km Az.gap 123°
Corr. 0.577 17M/14stn Msd 0.2 2↑ 1↓

94/17263
JUL 08 0200 03.5s 39.57S 174.38E 124km M=3.5
0.3 0.01 0.02 4
Rsd 0.2s 23ph/17stn Dmin 104km Az.gap 189°
Corr. -0.289 13M/11stn Msd 0.2

94/17279
JUL 08 0821 31.3s 42.95S 171.42E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 14ph/9stn Dmin 25km Az.gap 127°
Corr. -0.524 32M/25stn Msd 0.3 2↑ 1↓

94/17292
JUL 08 1438 40.9s 45.07S 167.46E 86km M=3.7
0.3 0.01 0.02 2
Rsd 0.1s 14ph/10stn Dmin 57km Az.gap 234°
Corr. -0.392 15M/10stn Msd 0.2 1↓

94/17297
JUL 08 1459 59.6s 43.17S 171.45E 10km M=3.5
0.1 0.01 0.01 1
Rsd 0.1s 13ph/11stn Dmin 2km Az.gap 112°
Corr. -0.556 16M/11stn Msd 0.2 2↑ 1↓

94/17304
JUL 08 1732 57.5s 38.42S 175.99E 148km M=4.4
0.2 0.01 0.01 2
Rsd 0.1s 26ph/22stn Dmin 75km Az.gap 110°
Corr. 0.071 20M/16stn Msd 0.3 8↑ 1↓

94/17309
JUL 08 2138 10.6s 37.79S 175.88E 276km M=4.2
0.5 0.05 0.07 8
Rsd 0.3s 21ph/18stn Dmin 210km Az.gap 225°
Corr. -0.904 14M/14stn Msd 0.3

94/17310
JUL 08 2233 54.4s 39.99S 174.53E 93km M=3.6
0.3 0.01 0.01 4
Rsd 0.3s 24ph/17stn Dmin 88km Az.gap 84°
Corr. -0.079 10M/10stn Msd 0.2 1↑

94/17315
JUL 08 2310 03.8s 38.10S 176.00E 139km M=3.7
0.7 0.05 0.08 7
Rsd 0.3s 18ph/14stn Dmin 99km Az.gap 223°
Corr. -0.924 12M/12stn Msd 0.1 2↑ 1↓

94/17317
JUL 09 0022 10.3s 36.33S 177.80E 244km M=4.0
1.6 0.16 0.26 21
Rsd 0.3s 16ph/14stn Dmin 148km Az.gap 315°
Corr. -0.854 5M/5stn Msd 0.2 1↑

94/17325
JUL 09 0323 14.6s 40.24S 175.53E 43km M=3.6
0.1 0.01 0.01 2
Rsd 0.3s 36ph/27stn Dmin 42km Az.gap 81°
Corr. -0.203 12M/11stn Msd 0.2

94/17334
JUL 09 0546 55.3s 43.01S 171.46E 10km M=3.8
0.2 0.01 0.01 1
Rsd 0.2s 12ph/9stn Dmin 19km Az.gap 118°
Corr. -0.165 10M/6stn Msd 0.1 1↑ 3↓

94/17358
JUL 09 1350 16.6s 37.02S 177.46E 163km M=5.1
0.6 0.04 0.03 5
Rsd 0.2s 17ph/13stn Dmin 62km Az.gap 192°
Corr. 0.513 22M/17stn Msd 0.3 4↑ 2↓

94/17393
JUL 10 0516 56.8s 42.99S 171.36E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.1s 6ph/4stn Dmin 21km Az.gap 174°
Corr. -0.264 5M/5stn Msd 2.0

94/17395
JUL 10 0524 30.7s 39.75S 174.28E 187km M=3.5
0.4 0.03 0.02 4
Rsd 0.1s 17ph/14stn Dmin 121km Az.gap 214°
Corr. -0.240 10M/10stn Msd 0.2

94/17426
JUL 10 2129 26.4s 38.15S 176.24E 192km M=3.6
0.7 0.13 0.16 18
Rsd 0.3s 18ph/16stn Dmin 127km Az.gap 219°
Corr. -0.971 14M/14stn Msd 0.4

94/17443
JUL 11 0526 30.4s 40.64S 176.35E 24km M=4.0
0.2 0.01 0.02 1
Rsd 0.3s 29ph/23stn Dmin 7km Az.gap 180°
Corr. -0.601 26M/21stn Msd 0.2 4↑ 1↓
Felt Pongaroa (67) MM4.

94/17448
JUL 11 0554 39.0s 38.54S 176.10E 206km M=3.5
0.4 0.02 0.03 4
Rsd 0.1s 16ph/14stn Dmin 83km Az.gap 300°
Corr. -0.328 3M/3stn Msd 0.2 1↑

94/17479
JUL 11 1449 13.2s 38.39S 175.89E 185km M=3.6
0.3 0.04 0.05 6
Rsd 0.2s 19ph/15stn Dmin 151km Az.gap 304°
Corr. -0.696 7M/6stn Msd 0.2

94/17492
JUL 11 1718 24.9s 37.85S 176.25E 174km M=4.2
0.4 0.04 0.02 3
Rsd 0.2s 12ph/11stn Dmin 89km Az.gap 230°
Corr. -0.791 16M/15stn Msd 0.2 6↑ 1↓

94/17498
JUL 11 1831 58.1s 38.31S 176.00E 154km M=4.2
0.2 0.01 0.01 2
Rsd 0.1s 22ph/17stn Dmin 87km Az.gap 112°
Corr. -0.084 21M/17stn Msd 0.3 1↑

94/17507
JUL 11 2320 53.7s 40.62S 176.39E 25km M=3.7
0.2 0.01 0.02 2
Rsd 0.2s 21ph/16stn Dmin 10km Az.gap 216°
Corr. -0.317 24M/20stn Msd 0.2 1↑
Felt Pongaroa (67) MM4.

94/17520
JUL 12 0224 00.7s 43.05S 171.39E 8km M=4.4
0.1 0.01 0.00 1
Rsd 0.1s 12ph/7stn Dmin 14km Az.gap 144°
Corr. -0.295 20M/10stn Msd 0.2 1↑ 3↓

94/17580
JUL 13 0428 06.7s 37.86S 176.30E 176km M=3.8
0.7 0.06 0.03 7
Rsd 0.2s 10ph/8stn Dmin 149km Az.gap 228°
Corr. -0.799 15M/14stn Msd 0.3 1↓

94/17591
JUL 13 0949 14.3s 38.18S 176.09E 157km M=4.5
0.4 0.01 0.01 4
Rsd 0.1s 18ph/14stn Dmin 103km Az.gap 127°
Corr. -0.013 8M/4stn Msd 0.2 7↑ 1↓

94/17606
JUL 13 1353 54.1s 38.02S 176.23E 169km M=3.6
0.7 0.04 0.03 9
Rsd 0.2s 12ph/9stn Dmin 139km Az.gap 224°
Corr. -0.719 14M/14stn Msd 0.3 1↑

94/17681
JUL 14 1704 20.4s 37.78S 176.80E 156km M=4.1
0.5 0.02 0.01 5
Rsd 0.2s 23ph/22stn Dmin 26km Az.gap 91°
Corr. -0.157 20M/17stn Msd 0.3 1↑

94/17684
JUL 14 1736 02.9s 36.68S 177.68E 189km M=4.4
0.6 0.03 0.02 5
Rsd 0.1s 19ph/18stn Dmin 116km Az.gap 245°
Corr. 0.380 19M/16stn Msd 0.3

94/17693
JUL 14 2053 10.2s 38.94S 175.70E 5km M=4.0
0.1 0.01 0.01 R
Rsd 0.3s 26ph/25stn Dmin 15km Az.gap 81°
Corr. -0.367 39M/33stn Msd 0.3 1↑ 1↓
Felt Motuoapa, Waihora Rd (40) MM4 and Kakahi (39).

94/17697
JUL 14 2119 58.0s 37.99S 176.10E 189km M=4.9
0.5 0.02 0.02 4
Rsd 0.2s 33ph/28stn Dmin 22km Az.gap 90°
Corr. -0.306 8M/4stn Msd 0.4 4↑ 4↓

94/17707
JUL 15 0005 30.0s 40.13S 175.07E 75km M=3.9
0.2 0.01 0.01 3
Rsd 0.2s 33ph/28stn Dmin 65km Az.gap 80°
Corr. -0.169 15M/12stn Msd 0.2 1↑ 1↓

94/17744
JUL 15 1036 02.7s 34.93S 177.35E 33km M=4.4
0.3 0.02 0.02 R
Rsd 0.1s 4ph/3stn Dmin 358km Az.gap 334°
Corr. 0.485 3M/3stn Msd 0.1

94/17755
JUL 15 1314 27.6s 43.10S 171.40E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 17ph/14stn Dmin 54km Az.gap 139°
Corr. -0.397 34M/29stn Msd 0.2 1↑

94/17769
JUL 15 1947 00.9s 35.21S 178.93E 249km M=3.8
0.6 0.09 0.19 10
Rsd 0.1s 9ph/8stn Dmin 271km Az.gap 342°
Corr. -0.834 6M/6stn Msd 0.2

94/17783
JUL 16 0134 49.4s 36.92S 176.99E 130km M=3.8
0.4 0.03 0.06 11
Rsd 0.1s 9ph/7stn Dmin 139km Az.gap 278°
Corr. -0.798 12M/12stn Msd 0.2 1↑

94/17784
JUL 16 0144 12.0s 43.20S 171.52E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.3s 13ph/8stn Dmin 8km Az.gap 109°
Corr. -0.135 9M/5stn Msd 0.3 2↑ 1↓

94/17796
JUL 16 0917 59.1s 42.03S 171.64E 12km M=4.6
0.2 0.01 0.02 R
Rsd 0.2s 14ph/9stn Dmin 98km Az.gap 160°
Corr. -0.505 22M/11stn Msd 0.3
Felt Westport (79) to Paroa (92), maximum intensity MM4.

94/17803
JUL 16 1138 06.9s 41.39S 172.99E 107km M=3.6
0.3 0.02 0.02 3
Rsd 0.2s 26ph/19stn Dmin 42km Az.gap 163°
Corr. -0.769 14M/13stn Msd 0.2 4↑ 2↓

94/17812
JUL 16 1455 18.0s 38.49S 175.81E 164km M=3.6
0.3 0.02 0.02 3
Rsd 0.1s 17ph/14stn Dmin 62km Az.gap 215°
Corr. 0.496 18M/16stn Msd 0.4 1↑

94/17823
JUL 16 1650 23.0s 41.09S 174.58E 64km M=3.5
0.1 0.01 0.01 1
Rsd 0.2s 28ph/24stn Dmin 19km Az.gap 62°
Corr. -0.139 14M/11stn Msd 0.2 6↑ 1↓

94/17831
JUL 16 1808 25.2s 44.88S 166.56E 12km M=4.7
0.9 0.04 0.05 R
Rsd 0.3s 5ph/3stn Dmin 110km Az.gap 259°
Corr. -0.663 12M/7stn Msd 0.2 1↑ 3↓

94/17855
JUL 17 0310 22.7s 36.58S 177.04E 33km M=4.0
1.0 0.06 0.04 R
Rsd 0.3s 12ph/9stn Dmin 160km Az.gap 295°
Corr. 0.006 5M/4stn Msd 0.2

94/17858
JUL 17 0422 33.7s 40.65S 176.36E 20km M=3.7
0.3 0.01 0.02 3
Rsd 0.4s 25ph/20stn Dmin 8km Az.gap 196°
Corr. -0.498 26M/21stn Msd 0.2 4↑ 1↓

94/17861
JUL 17 0448 00.1s 40.61S 176.36E 24km M=3.1
0.2 0.01 0.02 1
Rsd 0.3s 18ph/13stn Dmin 7km Az.gap 213°
Corr. -0.426 13M/11stn Msd 0.2 1↑ 1↓
Felt Pongaroa (67) MM4.

94/17870
JUL 17 0718 46.7s 38.35S 176.05E 189km M=3.8
0.8 0.09 0.07 10
Rsd 0.2s 14ph/9stn Dmin 96km Az.gap 244°
Corr. 0.793 12M/12stn Msd 0.3 1↑

94/17880
JUL 17 0939 25.9s 40.63S 176.37E 24km M=3.1
0.2 0.01 0.02 1
Rsd 0.2s 22ph/16stn Dmin 8km Az.gap 196°
Corr. -0.607 20M/18stn Msd 0.2 1↑ 1↓
Felt Pongaroa (67) MM4.

94/17886
JUL 17 1106 22.8s 41.89S 173.03E 102km M=4.1
0.2 0.02 0.02 2
Rsd 0.2s 30ph/22stn Dmin 18km Az.gap 90°
Corr. -0.705 19M/14stn Msd 0.2 2↑ 2↓

94/17910
JUL 17 1652 37.7s 38.73S 175.56E 165km M=3.7
0.3 0.02 0.03 3
Rsd 0.1s 17ph/13stn Dmin 30km Az.gap 223°
Corr. 0.459 15M/13stn Msd 0.2 1↓

94/17913
JUL 17 1753 26.9s 37.55S 179.74W 110km M=4.0
0.6 0.09 0.16 27
Rsd 0.2s 12ph/7stn Dmin 173km Az.gap 314°
Corr. -0.828 15M/13stn Msd 0.3

94/17922
JUL 17 1915 37.8s 37.85S 178.46E 22km M=3.8
1.3 0.03 0.15 6
Rsd 0.6s 9ph/7stn Dmin 30km Az.gap 229°
Corr. 0.018 5M/3stn Msd 0.2 1↑

94/17926
JUL 17 2031 56.2s 40.61S 176.35E 25km M=3.5
0.2 0.01 0.02 1
Rsd 0.2s 20ph/15stn Dmin 7km Az.gap 212°
Corr. -0.455 24M/21stn Msd 0.2 2↑ 1↓
Felt Pongaroa (67) MM4.

94/17940
JUL 18 0302 05.1s 38.09S 176.42E 193km M=3.7
0.3 0.02 0.03 3
Rsd 0.1s 22ph/17stn Dmin 128km Az.gap 308°
Corr. 0.352 13M/13stn Msd 0.2

94/17946
JUL 18 0643 48.3s 37.21S 177.52E 88km M=3.6
1.1 0.07 0.05 14
Rsd 0.4s 6ph/4stn Dmin 81km Az.gap 195°
Corr. 0.873 5M/3stn Msd 0.2 1↑

94/17981
JUL 18 2339 49.9s 38.23S 176.25E 150km M=3.8
0.4 0.02 0.02 4
Rsd 0.1s 12ph/9stn Dmin 106km Az.gap 211°
Corr. -0.748 16M/15stn Msd 0.3 4↑ 1↓

94/18014
JUL 19 1031 13.8s 38.04S 176.07E 180km M=4.4
0.3 0.01 0.01 3
Rsd 0.2s 21ph/16stn Dmin 94km Az.gap 136°
Corr. -0.082 21M/17stn Msd 0.2 8↑ 2↓

94/18036
JUL 19 2209 42.1s 38.93S 175.36E 128km M=3.8
0.4 0.01 0.02 3
Rsd 0.2s 28ph/23stn Dmin 17km Az.gap 217°
Corr. 0.007 19M/15stn Msd 0.3

94/18055
JUL 20 0703 27.7s 45.64S 166.38E 33km M=3.5
0.6 0.02 0.05 R
Rsd 0.3s 14ph/10stn Dmin 162km Az.gap 273°
Corr. -0.045 14M/13stn Msd 0.2

94/18080
JUL 20 1752 33.6s 42.00S 178.33E 12km M=4.4
0.8 0.04 0.05 R
Rsd 0.4s 45ph/39stn Dmin 227km Az.gap 235°
Corr. -0.580 10M/5stn Msd 0.2

94/18097
JUL 21 0150 51.5s 46.02S 170.23E 12km M=3.0
0.2 0.01 0.01 R
Rsd 0.2s 16ph/13stn Dmin 47km Az.gap 222°
Corr. -0.531 18M/15stn Msd 0.2
Felt Brighton (144) MM3.

94/18104
JUL 21 0643 52.3s 39.61S 174.92E 97km M=3.5
0.4 0.01 0.01 5
Rsd 0.2s 26ph/24stn Dmin 66km Az.gap 94°
Corr. 0.023 15M/13stn Msd 0.2 1↑ 2↓

94/18105
JUL 21 0756 57.3s 37.72S 176.54E 162km M=3.9
0.3 0.01 0.01 3
Rsd 0.2s 23ph/21stn Dmin 32km Az.gap 120°
Corr. -0.062 21M/17stn Msd 0.2 1↑

94/18168
JUL 22 1722 00.9s 38.27S 175.88E 173km M=3.8
0.3 0.02 0.01 3
Rsd 0.1s 18ph/15stn Dmin 86km Az.gap 221°
Corr. -0.354 19M/17stn Msd 0.3 1↑

94/18170
JUL 22 1807 51.0s 38.17S 176.00E 288km M=3.6
0.7 0.13 0.15 12
Rsd 0.3s 16ph/13stn Dmin 120km Az.gap 235°
Corr. -0.951 9M/9stn Msd 0.1

94/18194
JUL 22 2344 07.4s 42.86S 175.74E 33km M=3.8
1.0 0.06 0.06 R
Rsd 0.2s 16ph/13stn Dmin 165km Az.gap 219°
Corr. -0.823 34M/32stn Msd 0.3 1↓

94/18213
JUL 23 0624 05.2s 36.90S 176.98E 12km M=3.8
0.4 0.03 0.02 R
Rsd 0.2s 10ph/7stn Dmin 140km Az.gap 295°
Corr. 0.083 4M/4stn Msd 0.1

94/18284
JUL 24 1615 28.2s 43.09S 171.36E 8km M=3.8
0.1 0.01 0.01 1
Rsd 0.1s 12ph/9stn Dmin 11km Az.gap 165°
Corr. -0.278 31M/24stn Msd 0.2 1↑ 3↓

94/18292
JUL 24 2337 39.3s 38.54S 175.99E 209km M=3.7
0.8 0.07 0.09 11
Rsd 0.3s 18ph/14stn Dmin 86km Az.gap 240°
Corr. -0.903 9M/8stn Msd 0.2

94/18301
JUL 25 0241 08.7s 39.87S 174.27E 220km M=3.6
0.3 0.04 0.02 3
Rsd 0.1s 12ph/9stn Dmin 108km Az.gap 281°
Corr. -0.636 3M/3stn Msd 0.2

94/18313
JUL 25 0616 55.7s 37.05S 177.26E 134km M=4.0
0.7 0.06 0.06 7
Rsd 0.3s 9ph/7stn Dmin 111km Az.gap 276°
Corr. -0.655 11M/8stn Msd 0.2

94/18317
JUL 25 0739 10.0s 39.02S 175.31E 178km M=3.9
0.3 0.02 0.02 3
Rsd 0.1s 16ph/12stn Dmin 117km Az.gap 263°
Corr. -0.717 10M/10stn Msd 0.2

94/18325
JUL 25 1308 00.7s 38.29S 175.86E 12km M=3.5
0.4 0.02 0.02 R
Rsd 0.2s 10ph/5stn Dmin 122km Az.gap 259°
Corr. -0.550 4M/4stn Msd 0.1

94/18328
JUL 25 1523 57.0s 38.23S 178.14E 32km M=3.5
0.2 0.02 0.03 3
Rsd 0.4s 12ph/8stn Dmin 18km Az.gap 131°
Corr. -0.466 10M/5stn Msd 0.3 2↑ 1↓

94/18334
JUL 25 1923 13.2s 40.26S 173.64E 152km M=3.6
0.7 0.04 0.04 8
Rsd 0.3s 14ph/11stn Dmin 65km Az.gap 205°
Corr. -0.570 9M/7stn Msd 0.2

94/18361
JUL 26 1117 02.8s 45.10S 167.48E 129km M=3.9
0.3 0.01 0.02 2
Rsd 0.1s 15ph/12stn Dmin 59km Az.gap 231°
Corr. -0.245 23M/17stn Msd 0.2

94/18362
JUL 26 1125 18.2s 37.12S 177.52E 123km M=3.8
0.5 0.04 0.10 9
Rsd 0.2s 13ph/8stn Dmin 87km Az.gap 285°
Corr. -0.558 15M/8stn Msd 0.2 1↑

94/18377
JUL 26 1723 47.7s 37.23S 177.51E 115km M=3.5
0.6 0.06 0.23 23
Rsd 0.3s 10ph/7stn Dmin 82km Az.gap 259°
Corr. -0.684 12M/10stn Msd 0.2 1↑

94/18410
JUL 27 0630 20.1s 38.29S 176.30E 5km M=3.1
0.1 0.01 0.01 R
Rsd 0.2s 15ph/13stn Dmin 10km Az.gap 100°
Corr. -0.193 14M/14stn Msd 0.4
Felt Reporoa (33) MM3.

94/18415
JUL 27 0801 04.8s 41.68S 174.25E 11km M=4.3
0.2 0.01 0.01 2
Rsd 0.2s 24ph/18stn Dmin 9km Az.gap 130°
Corr. -0.448 10M/5stn Msd 0.1 9↑ 3↓
Felt Lake Grassmere (84).

94/18418
JUL 27 0805 10.5s 41.69S 174.26E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.3s 24ph/18stn Dmin 8km Az.gap 134°
Corr. -0.586 19M/16stn Msd 0.4 1↑

94/18439
JUL 27 1443 43.6s 39.96S 176.97E 23km M=3.6
0.3 0.01 0.02 2
Rsd 0.3s 26ph/21stn Dmin 33km Az.gap 187°
Corr. -0.550 27M/22stn Msd 0.2 1↑ 1↓

94/18461
JUL 27 2140 15.6s 41.34S 172.69E 196km M=3.5
0.3 0.02 0.02 2
Rsd 0.1s 19ph/14stn Dmin 50km Az.gap 209°
Corr. -0.671 9M/9stn Msd 0.3 1↑

94/18474
JUL 28 0118 33.4s 36.81S 177.44E 169km M=3.8
0.6 0.10 0.10 14
Rsd 0.2s 11ph/9stn Dmin 158km Az.gap 334°
Corr. -0.664 7M/7stn Msd 0.3 4↑ 1↓

94/18486
JUL 28 0308 12.7s 39.16S 174.81E 223km M=3.5
0.2 0.01 0.01 2
Rsd 0.0s 16ph/13stn Dmin 64km Az.gap 227°
Corr. 0.152 9M/9stn Msd 0.2

94/18526
JUL 28 1741 57.2s 43.24S 171.12E 5km M=4.1
0.2 0.02 0.01 R
Rsd 0.1s 13ph/7stn Dmin 26km Az.gap 152°
Corr. -0.877 14M/9stn Msd 0.3

94/18532
JUL 28 1855 45.0s 43.21S 171.48E 7km M=4.3
0.1 0.01 0.01 2
Rsd 0.1s 13ph/7stn Dmin 6km Az.gap 77°
Corr. -0.666 17M/9stn Msd 0.2 1↓
Felt Erewhon (106) MM4.

94/18542
JUL 28 2339 28.4s 37.08S 177.33E 149km M=3.8
0.6 0.03 0.03 6
Rsd 0.2s 17ph/13stn Dmin 104km Az.gap 200°
Corr. 0.801 9M/5stn Msd 0.1 1↓

94/18561
JUL 29 0512 29.9s 37.31S 177.24E 153km M=3.7
0.5 0.03 0.08 8
Rsd 0.2s 16ph/12stn Dmin 99km Az.gap 263°
Corr. -0.094 17M/12stn Msd 0.2 1↑ 1↓

94/18594
JUL 29 1329 09.8s 40.42S 174.78E 23km M=3.6
0.3 0.01 0.01 4
Rsd 0.3s 36ph/30stn Dmin 51km Az.gap 90°
Corr. -0.017 32M/27stn Msd 0.2 1↑

94/18595
JUL 29 1452 53.8s 39.12S 177.44E 30km M=3.9
0.1 0.01 0.01 1
Rsd 0.2s 27ph/23stn Dmin 23km Az.gap 109°
Corr. -0.598 17M/9stn Msd 0.3 1↑ 6↓

94/18597
JUL 29 1515 57.5s 45.12S 167.62E 109km M=3.9
0.4 0.02 0.02 4
Rsd 0.3s 10ph/6stn Dmin 55km Az.gap 217°
Corr. -0.180 12M/6stn Msd 0.1

94/18601
JUL 29 1711 56.3s 40.25S 173.66E 179km M=3.5
0.2 0.02 0.01 2
Rsd 0.1s 16ph/12stn Dmin 65km Az.gap 252°
Corr. -0.118 7M/7stn Msd 0.4

94/18605
JUL 29 1739 48.6s 39.03S 176.01E 84km M=3.5
0.3 0.01 0.02 3
Rsd 0.2s 30ph/26stn Dmin 39km Az.gap 137°
Corr. -0.356 18M/16stn Msd 0.2

94/18606
JUL 29 1819 27.3s 37.95S 175.84E 297km M=3.7
1.1 0.06 0.04 10
Rsd 0.1s 16ph/15stn Dmin 120km Az.gap 249°
Corr. -0.742 10M/10stn Msd 0.3 1↓

94/18638
JUL 30 0832 38.1s 35.90S 178.53E 215km M=4.0
0.3 0.06 0.06 10
Rsd 0.1s 18ph/12stn Dmin 190km Az.gap 348°
Corr. -0.680 22M/16stn Msd 0.3 1↑

94/18644
JUL 30 1106 48.6s 37.49S 179.79E 98km M=3.8
0.3 0.03 0.06 11
Rsd 0.1s 16ph/12stn Dmin 132km Az.gap 315°
Corr. -0.568 14M/7stn Msd 0.2 1↓

94/18647
JUL 30 1206 55.1s 43.24S 171.12E 8km M=4.7
0.2 0.02 0.01 2
Rsd 0.2s 12ph/7stn Dmin 26km Az.gap 155°
Corr. -0.856 19M/10stn Msd 0.2 1↓
Felt Whataroa (96) and Erewhon (106) MM4.

94/18650
JUL 30 1222 40.6s 40.58S 175.98E 24km M=3.5
0.1 0.01 0.01 2
Rsd 0.3s 18ph/16stn Dmin 25km Az.gap 105°
Corr. -0.756 28M/23stn Msd 0.2 4↑ 2↓

94/18697
JUL 31 0314 54.6s 35.58S 178.59E 245km M=4.3
0.4 0.08 0.11 9
Rsd 0.1s 17ph/14stn Dmin 226km Az.gap 334°
Corr. -0.613 24M/18stn Msd 0.3 1↑

94/18711
JUL 31 0903 34.0s 45.25S 167.39E 100km M=4.1
0.5 0.03 0.03 6
Rsd 0.3s 12ph/7stn Dmin 84km Az.gap 248°
Corr. -0.516 13M/8stn Msd 0.2 2↑ 1↓

94/18712
JUL 31 0944 33.6s 43.24S 171.12E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.1s 12ph/7stn Dmin 25km Az.gap 187°
Corr. -0.852 13M/8stn Msd 0.3 1↓

94/18720
JUL 31 1116 20.1s 43.10S 171.40E 9km M=3.6
0.1 0.01 0.00 1
Rsd 0.1s 11ph/7stn Dmin 8km Az.gap 176°
Corr. -0.453 12M/8stn Msd 0.3 1↑

94/18769
AUG 01 0452 49.4s 43.46S 175.21E 33km M=3.7
0.5 0.03 0.03 R
Rsd 0.4s 25ph/19stn Dmin 178km Az.gap 223°
Corr. -0.811 26M/24stn Msd 0.3

94/18771
AUG 01 0533 31.7s 37.47S 179.19E 12km M=3.9
0.5 0.03 0.03 R
Rsd 0.2s 23ph/14stn Dmin 80km Az.gap 287°
Corr. -0.121 12M/7stn Msd 0.3

94/18782
AUG 01 0934 07.3s 38.01S 176.37E 158km M=3.6
0.3 0.03 0.02 4
Rsd 0.2s 21ph/16stn Dmin 108km Az.gap 236°
Corr. -0.737 14M/14stn Msd 0.2 1↑

94/18801
AUG 01 2053 53.4s 42.92S 171.37E 5km M=3.5
0.3 0.02 0.02 R
Rsd 0.3s 11ph/6stn Dmin 28km Az.gap 221°
Corr. -0.639 14M/8stn Msd 0.2 1↓

94/18813
AUG 02 0045 44.6s 38.28S 176.86E 66km M=3.5
0.2 0.01 0.01 3
Rsd 0.2s 26ph/21stn Dmin 22km Az.gap 184°
Corr. -0.621 17M/9stn Msd 0.2 1↓

94/18818
AUG 02 0350 28.7s 37.71S 176.32E 221km M=3.5
0.6 0.11 0.12 12
Rsd 0.2s 11ph/8stn Dmin 134km Az.gap 265°
Corr. -0.839 6M/5stn Msd 0.2

94/18837
AUG 02 1342 47.7s 38.76S 175.59E 172km M=3.7
0.4 0.03 0.03 6
Rsd 0.1s 23ph/16stn Dmin 124km Az.gap 212°
Corr. -0.824 11M/10stn Msd 0.4 1↓
Wellington net readings are autopicks.

94/18851
AUG 02 2108 08.3s 38.89S 175.71E 117km M=3.7
0.5 0.02 0.03 4
Rsd 0.3s 16ph/13stn Dmin 33km Az.gap 188°
Corr. -0.416 6M/5stn Msd 0.5 1↑

94/18852
AUG 02 2203 16.6s 40.67S 175.85E 38km M=3.7
0.3 0.02 0.01 3
Rsd 0.1s 8ph/4stn Dmin 23km Az.gap 192°
Corr. -0.104 2M/2stn Msd 0.9

94/18869
AUG 03 0746 24.1s 45.19S 167.37E 126km M=3.5
0.4 0.03 0.02 3
Rsd 0.2s 17ph/13stn Dmin 35km Az.gap 208°
Corr. -0.327 15M/14stn Msd 0.2 2↑ 1↓

94/18889
AUG 03 1912 16.5s 43.20S 171.09E 4km M=4.0
0.1 0.01 0.01 1
Rsd 0.1s 17ph/11stn Dmin 27km Az.gap 145°
Corr. -0.676 10M/6stn Msd 0.3 1↓

94/18954
AUG 04 2324 26.1s 43.12S 171.47E 5km M=3.9
0.1 0.01 0.01 R
Rsd 0.2s 17ph/9stn Dmin 7km Az.gap 125°
Corr. -0.521 8M/4stn Msd 0.3
Felt Arthur's Pass (93) MM4.

94/18955
AUG 04 2325 08.2s 42.98S 171.45E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 10ph/6stn Dmin 22km Az.gap 143°
Corr. -0.352 11M/8stn Msd 0.2

94/18957
AUG 05 0041 07.6s 38.14S 176.03E 185km M=5.0
0.2 0.02 0.01 2
Rsd 0.2s 53ph/41stn Dmin 96km Az.gap 92°
Corr. -0.414 30M/15stn Msd 0.3 11↑ 17↓

94/18966
AUG 05 0315 45.1s 38.44S 175.95E 151km M=4.4
0.3 0.02 0.01 2
Rsd 0.2s 43ph/34stn Dmin 72km Az.gap 182°
Corr. -0.547 15M/8stn Msd 0.3 2↑ 4↓

94/18967
AUG 05 0315 58.7s 37.50S 177.12E 136km M=4.3
0.4 0.02 0.02 4
Rsd 0.3s 23ph/17stn Dmin 85km Az.gap 148°
Corr. 0.274 25M/13stn Msd 0.2

94/18968
AUG 05 0318 48.0s 37.53S 177.05E 136km M=3.6
0.4 0.03 0.04 4
Rsd 0.3s 22ph/15stn Dmin 81km Az.gap 245°
Corr. -0.527 25M/19stn Msd 0.2 1↓

94/18975
AUG 05 0537 14.2s 37.92S 176.30E 235km M=3.5
2.2 0.12 0.17 23
Rsd 0.3s 17ph/15stn Dmin 123km Az.gap 229°
Corr. -0.939 8M/8stn Msd 0.2 1↑

94/18990
AUG 05 1151 21.9s 36.23S 177.92E 209km M=3.8
0.3 0.05 0.07 6
Rsd 0.1s 19ph/12stn Dmin 149km Az.gap 344°
Corr. -0.661 9M/7stn Msd 0.2 1↓

94/19006
AUG 05 1707 48.3s 35.89S 179.02E 221km M=3.8
0.5 0.11 0.16 17
Rsd 0.1s 10ph/8stn Dmin 206km Az.gap 346°
Corr. 0.002 5M/5stn Msd 0.2 1↓

94/19017
AUG 05 2135 27.5s 42.92S 171.40E 5km M=3.7
0.2 0.01 0.01 R
Rsd 0.2s 12ph/9stn Dmin 28km Az.gap 122°
Corr. -0.323 8M/4stn Msd 0.2 1↑ 2↓

94/19060
AUG 06 0808 07.4s 36.11S 178.56E 283km M=3.6
0.3 0.08 0.05 8
Rsd 0.1s 6ph/4stn Dmin 183km Az.gap 344°
Corr. 0.548 2M/2stn Msd 0.6

94/19071
AUG 06 1110 13.3s 37.10S 177.00E 212km M=3.6
0.8 0.09 0.17 7
Rsd 0.2s 11ph/10stn Dmin 101km Az.gap 320°
Corr. -0.640 6M/4stn Msd 0.2 2↑ 2↓

94/19087
AUG 06 1804 59.0s 39.29S 174.62E 202km M=3.6
0.2 0.01 0.01 2
Rsd 0.1s 24ph/18stn Dmin 80km Az.gap 213°
Corr. -0.288 12M/11stn Msd 0.2

94/19089
AUG 06 1844 21.6s 36.70S 178.15E 12km M=4.1
0.4 0.02 0.03 R
Rsd 0.2s 28ph/21stn Dmin 96km Az.gap 249°
Corr. -0.299 21M/12stn Msd 0.2 1↑ 2↓

94/19091
AUG 06 1904 53.5s 44.66S 173.55E 5km M=3.7
0.2 0.01 0.02 R
Rsd 0.1s 18ph/16stn Dmin 128km Az.gap 214°
Corr. -0.189 29M/26stn Msd 0.2
Unusual location.

94/19094
AUG 06 1930 08.6s 39.32S 176.01E 60km M=3.9
0.1 0.01 0.01 2
Rsd 0.3s 51ph/45stn Dmin 31km Az.gap 88°
Corr. -0.344 17M/10stn Msd 0.2 4↑ 4↓

94/19097
AUG 06 1945 48.8s 39.17S 176.28E 82km M=3.9
0.2 0.01 0.01 3
Rsd 0.3s 57ph/42stn Dmin 40km Az.gap 63°
Corr. -0.446 19M/10stn Msd 0.1 5↑ 4↓

94/19121
AUG 07 0315 48.7s 43.21S 171.10E 5km M=3.6
0.1 0.00 0.00 R
Rsd 0.1s 19ph/13stn Dmin 33km Az.gap 84°
Corr. -0.172 30M/27stn Msd 0.3 1↓

94/19134
AUG 07 0810 04.6s 42.10S 173.95E 26km M=3.5
0.2 0.01 0.01 2
Rsd 0.3s 28ph/18stn Dmin 44km Az.gap 152°
Corr. -0.600 23M/18stn Msd 0.3 2↑ 2↓

94/19153
AUG 07 1944 57.0s 37.71S 175.87E 273km M=3.8
0.3 0.05 0.07 6
Rsd 0.1s 14ph/10stn Dmin 157km Az.gap 266°
Corr. -0.581 10M/9stn Msd 0.2 1↑ 2↓

94/19156
AUG 07 2058 56.9s 35.81S 178.79E 190km M=3.8
1.4 0.09 0.19 20
Rsd 0.2s 11ph/10stn Dmin 206km Az.gap 341°
Corr. -0.465 6M/6stn Msd 0.2 1↓

94/19164
AUG 08 0022 22.1s 36.11S 178.33E 125km M=3.5
0.4 0.06 0.05 11
Rsd 0.1s 9ph/7stn Dmin 181km Az.gap 342°
Corr. 0.261 4M/3stn Msd 0.2 1↓

94/19168
AUG 08 0327 11.1s 40.48S 173.87E 117km M=4.6
0.2 0.01 0.01 3
Rsd 0.2s 39ph/30stn Dmin 36km Az.gap 138°
Corr. 0.205 31M/16stn Msd 0.1 6↑ 4↓

94/19173
AUG 08 0649 12.2s 38.36S 176.19E 105km M=4.0
0.2 0.01 0.01 2
Rsd 0.2s 43ph/36stn Dmin 81km Az.gap 200°
Corr. -0.661 30M/15stn Msd 0.2 1↑ 5↓

94/19179
AUG 08 1040 30.8s 42.83S 171.29E 22km M=4.1
0.2 0.02 0.01 2
Rsd 0.1s 13ph/10stn Dmin 53km Az.gap 147°
Corr. -0.669 12M/7stn Msd 0.2 1↓
Felt Paroa (92) MM4 and Greymouth (85).

94/19181
AUG 08 1256 09.9s 37.64S 176.56E 155km M=3.7
0.2 0.02 0.03 3
Rsd 0.2s 30ph/19stn Dmin 88km Az.gap 248°
Corr. -0.210 20M/13stn Msd 0.2 3↑ 1↓

94/19182
AUG 08 1310 21.1s 37.05S 176.65E 219km M=4.0
0.4 0.04 0.06 5
Rsd 0.2s 30ph/24stn Dmin 125km Az.gap 279°
Corr. -0.454 25M/19stn Msd 0.2 3↑ 2↓

94/19194
AUG 08 2042 49.9s 41.53S 173.59E 63km M=3.6
0.2 0.01 0.01 3
Rsd 0.3s 22ph/17stn Dmin 22km Az.gap 134°
Corr. -0.551 13M/11stn Msd 0.3 1↑ 4↓

94/19201
AUG 09 0110 30.7s 38.40S 176.36E 170km M=3.5
0.5 0.05 0.06 6
Rsd 0.2s 17ph/14stn Dmin 79km Az.gap 258°
Corr. -0.886 8M/8stn Msd 0.2 1↑

94/19203
AUG 09 0305 28.1s 37.14S 177.18E 139km M=3.8
0.3 0.03 0.03 3
Rsd 0.2s 27ph/20stn Dmin 86km Az.gap 300°
Corr. -0.334 12M/10stn Msd 0.2 5↑ 1↓

94/19215
AUG 09 0534 07.8s 37.46S 177.03E 12km M=3.7
0.4 0.04 0.04 R
Rsd 0.5s 12ph/8stn Dmin 69km Az.gap 173°
Corr. 0.712 9M/5stn Msd 0.2 1↑

94/19223
AUG 09 0825 16.3s 40.22S 174.34E 49km M=3.9
0.1 0.00 0.01 5
Rsd 0.2s 30ph/25stn Dmin 69km Az.gap 132°
Corr. 0.227 19M/14stn Msd 0.2 5↑ 2↓

94/19228
AUG 09 0953 27.5s 38.30S 177.65E 36km M=3.7
0.1 0.01 0.01 2
Rsd 0.2s 31ph/25stn Dmin 19km Az.gap 57°
Corr. -0.269 29M/15stn Msd 0.2 5↑ 5↓

94/19230
AUG 09 1056 32.1s 36.69S 176.73E 110km M=3.7
0.9 0.09 0.06 11
Rsd 0.3s 7ph/5stn Dmin 91km Az.gap 220°
Corr. 0.777 3M/2stn Msd 0.2

94/19232
AUG 09 1153 28.6s 37.86S 176.56E 141km M=4.2
0.2 0.01 0.01 2
Rsd 0.2s 58ph/40stn Dmin 66km Az.gap 107°
Corr. -0.270 36M/19stn Msd 0.1 6↑ 2↓

94/19240
AUG 09 1755 20.6s 35.88S 178.23E 168km M=3.9
0.5 0.05 0.07 10
Rsd 0.1s 17ph/13stn Dmin 191km Az.gap 339°
Corr. -0.252 12M/8stn Msd 0.3 1↓

94/19260
AUG 10 1021 52.9s 39.89S 173.83E 219km M=3.8
0.3 0.02 0.02 3
Rsd 0.2s 27ph/20stn Dmin 101km Az.gap 214°
Corr. -0.490 14M/14stn Msd 0.3 1↑ 1↓

94/19277
AUG 10 1831 00.3s 37.28S 177.63E 68km M=3.7
0.3 0.02 0.02 3
Rsd 0.3s 29ph/24stn Dmin 46km Az.gap 192°
Corr. -0.030 22M/12stn Msd 0.2 1↑

94/19280
AUG 10 1859 42.5s 38.74S 175.65E 160km M=3.6
2.0 0.04 0.06 17
Rsd 0.2s 14ph/12stn Dmin 48km Az.gap 224°
Corr. -0.534 6M/6stn Msd 0.2 1↓

94/19297
AUG 11 0155 01.7s 40.46S 178.05E 33km M=3.9
0.4 0.02 0.02 R
Rsd 0.2s 37ph/29stn Dmin 142km Az.gap 219°
Corr. -0.720 16M/9stn Msd 0.3 9↑ 3↓

94/19316
AUG 11 0716 32.7s 35.84S 179.48E 12km M=3.7
0.3 0.03 0.04 R
Rsd 0.1s 17ph/15stn Dmin 231km Az.gap 344°
Corr. -0.687 9M/9stn Msd 0.2 1↓

94/19331
AUG 11 1242 46.3s 40.09S 176.53E 58km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 39ph/29stn Dmin 35km Az.gap 159°
Corr. -0.859 8M/5stn Msd 0.2 2↑ 7↓

94/19336
AUG 11 1433 52.0s 42.90S 171.42E 5km M=3.7
0.1 0.01 0.00 R
Rsd 0.1s 11ph/7stn Dmin 59km Az.gap 138°
Corr. -0.363 37M/33stn Msd 0.2 2↑ 1↓

94/19403
AUG 12 1537 21.3s 39.90S 176.18E 38km M=3.6
0.1 0.02 0.03 4
Rsd 0.3s 29ph/25stn Dmin 27km Az.gap 159°
Corr. -0.848 8M/4stn Msd 0.2 1↑

94/19411
AUG 12 1707 29.3s 40.25S 173.64E 166km M=3.7
0.3 0.02 0.02 3
Rsd 0.2s 25ph/18stn Dmin 66km Az.gap 172°
Corr. 0.015 13M/12stn Msd 0.3 1↑ 2↓

94/19425
AUG 12 1951 21.5s 38.53S 176.52E 70km M=3.6
0.2 0.01 0.01 3
Rsd 0.4s 43ph/36stn Dmin 28km Az.gap 67°
Corr. -0.304 16M/10stn Msd 0.2 1↓

94/19439
AUG 13 0047 36.5s 39.13S 175.30E 142km M=3.6
0.2 0.01 0.01 2
Rsd 0.2s 37ph/30stn Dmin 12km Az.gap 134°
Corr. -0.147 22M/19stn Msd 0.2 1↓

94/19454
AUG 13 1020 46.4s 38.01S 176.10E 152km M=3.7
0.4 0.02 0.02 4
Rsd 0.3s 32ph/26stn Dmin 126km Az.gap 229°
Corr. -0.618 27M/25stn Msd 0.3 1↓

94/19461
AUG 13 1209 13.8s 45.94S 166.98E 82km M=3.8
0.2 0.01 0.01 2
Rsd 0.1s 18ph/13stn Dmin 55km Az.gap 234°
Corr. 0.184 20M/15stn Msd 0.2 1↓

94/19466
AUG 13 1352 51.0s 36.24S 177.47E 211km M=3.8
0.4 0.07 0.05 8
Rsd 0.1s 23ph/17stn Dmin 155km Az.gap 315°
Corr. -0.519 16M/15stn Msd 0.2 1↑ 3↓

94/19470
AUG 13 1619 39.1s 36.74S 177.05E 12km M=3.8
0.2 0.02 0.01 R
Rsd 0.1s 6ph/3stn Dmin 118km Az.gap 228°
Corr. 0.861 8M/5stn Msd 0.1

94/19477
AUG 13 2227 09.6s 36.42S 177.38E 12km M=4.2
0.9 0.07 0.04 R
Rsd 0.3s 8ph/6stn Dmin 139km Az.gap 252°
Corr. 0.868 8M/4stn Msd 0.2 1↓

94/19478
AUG 13 2353 13.0s 41.67S 174.24E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 23ph/18stn Dmin 9km Az.gap 118°
Corr. -0.549 10M/5stn Msd 0.2 5↑ 1↓

94/19498
AUG 14 1228 49.5s 38.33S 176.02E 145km M=3.8
0.5 0.03 0.02 5
Rsd 0.3s 21ph/14stn Dmin 97km Az.gap 227°
Corr. -0.421 14M/12stn Msd 0.3 1↑

94/19505
AUG 14 1726 03.2s 43.03S 171.35E 5km M=2.4
0.1 0.02 0.01 R
Rsd 0.2s 6ph/3stn Dmin 51km Az.gap 166°
Corr. -0.637 4M/3stn Msd 0.3
Felt Coleridge (100) MM4.

94/19516
AUG 15 0150 05.2s 37.83S 177.59E 34km M=4.4
0.1 0.01 0.01 1
Rsd 0.2s 45ph/40stn Dmin 5km Az.gap 99°
Corr. 0.040 36M/18stn Msd 0.2 5↑ 2↓

94/19521
AUG 15 0502 05.3s 43.26S 171.51E 12km M=5.2
0.1 0.01 0.00 R
Rsd 0.1s 22ph/19stn Dmin 60km Az.gap 84°
Corr. -0.319 28M/14stn Msd 0.2 1↑ 1↓
Felt Coleridge (100) MM4 and Christchurch (110).

94/19526
AUG 15 0519 26.8s 38.72S 175.86E 207km M=3.6
0.2 0.05 0.04 5
Rsd 0.0s 10ph/9stn Dmin 214km Az.gap 341°
Corr. -0.708 5M/5stn Msd 0.2

94/19534
AUG 15 0705 27.2s 36.03S 178.56E 191km M=3.9
0.7 0.10 0.09 13
Rsd 0.2s 18ph/16stn Dmin 175km Az.gap 341°
Corr. 0.229 14M/10stn Msd 0.2

94/19536
AUG 15 0747 35.8s 37.07S 176.12E 304km M=3.9
1.3 0.18 0.21 23
Rsd 0.1s 12ph/9stn Dmin 174km Az.gap 268°
Corr. -0.829 11M/9stn Msd 0.3

94/19538
AUG 15 0806 18.2s 39.07S 174.76E 219km M=3.7
0.4 0.04 0.04 7
Rsd 0.4s 37ph/33stn Dmin 182km Az.gap 216°
Corr. -0.941 22M/22stn Msd 0.2 3↑ 3↓

94/19544
AUG 15 1025 43.5s 38.36S 175.62E 143km M=3.6
0.4 0.03 0.05 6
Rsd 0.2s 23ph/19stn Dmin 131km Az.gap 254°
Corr. -0.834 21M/15stn Msd 0.3 4↑ 1↓

94/19552
AUG 15 1529 52.4s 37.38S 177.41E 90km M=3.6
0.2 0.02 0.02 3
Rsd 0.2s 33ph/23stn Dmin 57km Az.gap 172°
Corr. -0.148 16M/10stn Msd 0.2 4↑ 1↓

94/19557
AUG 15 1629 25.8s 40.36S 176.58E 34km M=4.5
0.1 0.01 0.01 1
Rsd 0.2s 35ph/31stn Dmin 29km Az.gap 178°
Corr. -0.785 35M/18stn Msd 0.2 1↓
Felt Dannevirke (63).

94/19561
AUG 15 1710 07.7s 43.27S 171.53E 12km M=3.8
0.1 0.01 0.00 2
Rsd 0.1s 10ph/7stn Dmin 61km Az.gap 107°
Corr. -0.270 27M/20stn Msd 0.2 1↑ 1↓

94/19563
AUG 15 1733 16.4s 40.97S 172.99E 201km M=3.8
0.4 0.02 0.03 4
Rsd 0.2s 20ph/15stn Dmin 81km Az.gap 166°
Corr. -0.503 15M/14stn Msd 0.2

94/19583
AUG 16 0018 33.6s 37.15S 177.33E 113km M=3.5
0.4 0.03 0.04 4
Rsd 0.2s 21ph/15stn Dmin 76km Az.gap 281°
Corr. -0.466 16M/12stn Msd 0.2 1↓

94/19587
AUG 16 0230 09.3s 43.25S 171.52E 5km M=4.1
0.1 0.01 0.00 R
Rsd 0.2s 11ph/7stn Dmin 61km Az.gap 123°
Corr. -0.176 8M/4stn Msd 0.2 1↑ 2↓

94/19590
AUG 16 0251 32.4s 47.37S 165.59E 33km M=5.2
0.3 0.02 0.02 R
Rsd 0.1s 17ph/14stn Dmin 200km Az.gap 315°
Corr. 0.426 8M/4stn Msd 1.1

94/19605
AUG 16 0757 35.3s 37.53S 179.60W 12km M=3.8
0.5 0.05 0.04 R
Rsd 0.1s 22ph/15stn Dmin 185km Az.gap 326°
Corr. -0.364 12M/11stn Msd 0.2 1↑ 1↓

94/19628
AUG 16 1537 55.4s 43.19S 171.08E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.3s 10ph/5stn Dmin 31km Az.gap 130°
Corr. -0.024 12M/9stn Msd 0.2 1↓

94/19634
AUG 16 1843 29.9s 36.51S 178.66W 33km M=3.6
0.6 0.12 0.08 R
Rsd 0.2s 5ph/3stn Dmin 364km Az.gap 352°
Corr. -0.834 3M/2stn Msd 0.7

94/19665
AUG 17 0731 23.7s 43.27S 171.51E 5km M=4.4
0.1 0.01 0.00 R
Rsd 0.1s 19ph/15stn Dmin 60km Az.gap 90°
Corr. -0.156 16M/8stn Msd 0.1 2↑ 1↓

94/19669
AUG 17 0901 52.6s 43.26S 171.51E 5km M=3.8
0.1 0.01 0.01 R
Rsd 0.2s 16ph/13stn Dmin 60km Az.gap 121°
Corr. -0.197 37M/31stn Msd 0.2 1↑ 1↓

94/19692
AUG 17 1841 52.1s 37.70S 176.07E 162km M=3.6
0.3 0.03 0.03 4
Rsd 0.2s 32ph/24stn Dmin 126km Az.gap 251°
Corr. -0.632 24M/23stn Msd 0.2 1↓

94/19696
AUG 17 2018 53.4s 37.67S 176.96E 5km M=3.5
0.2 0.01 0.01 R
Rsd 0.3s 19ph/13stn Dmin 25km Az.gap 101°
Corr. -0.137 14M/9stn Msd 0.4 1↑ 1↓

94/19701
AUG 17 2219 19.3s 43.20S 171.53E 5km M=3.6
0.1 0.01 0.00 R
Rsd 0.2s 10ph/7stn Dmin 65km Az.gap 96°
Corr. -0.335 10M/7stn Msd 0.2 1↓

94/19728
AUG 18 1146 50.9s 37.16S 175.86E 243km M=3.8
0.3 0.04 0.05 5
Rsd 0.1s 27ph/22stn Dmin 169km Az.gap 264°
Corr. -0.384 24M/23stn Msd 0.2 1↑ 1↓

94/19755
AUG 18 2305 40.4s 35.74S 178.32E 238km M=3.6
0.2 0.08 0.09 7
Rsd 0.0s 5ph/4stn Dmin 219km Az.gap 351°
Corr. -0.857 3M/3stn Msd 0.2

94/19796
AUG 19 1622 01.0s 36.16S 179.60E 33km M=3.6
0.7 0.05 0.06 R
Rsd 0.2s 23ph/17stn Dmin 197km Az.gap 343°
Corr. -0.337 10M/10stn Msd 0.2 2↑ 1↓

94/19810
AUG 20 0102 20.3s 38.50S 177.11E 48km M=3.5
0.2 0.01 0.01 3
Rsd 0.2s 33ph/29stn Dmin 24km Az.gap 66°
Corr. 0.275 21M/11stn Msd 0.2 1↑

94/19851
AUG 20 1830 01.5s 37.22S 176.49E 225km M=3.5
0.5 0.05 0.08 6
Rsd 0.2s 20ph/17stn Dmin 121km Az.gap 278°
Corr. -0.629 10M/9stn Msd 0.2 1↑ 3↓

94/19859
AUG 21 0139 51.0s 37.62S 179.79W 12km M=3.6
0.6 0.05 0.04 R
Rsd 0.1s 19ph/14stn Dmin 169km Az.gap 317°
Corr. -0.434 10M/10stn Msd 0.3

94/19861
AUG 21 0209 41.3s 36.28S 177.28E 12km M=4.0
1.0 0.07 0.09 R
Rsd 0.3s 8ph/5stn Dmin 157km Az.gap 340°
Corr. 0.244 5M/4stn Msd 0.2 1↓

94/19870
AUG 21 0528 54.8s 37.25S 177.27E 122km M=3.8
0.3 0.02 0.03 3
Rsd 0.2s 36ph/25stn Dmin 74km Az.gap 176°
Corr. -0.590 17M/9stn Msd 0.1 1↑

94/19886
AUG 21 1147 45.8s 38.67S 175.31E 232km M=3.6
0.5 0.03 0.02 5
Rsd 0.2s 24ph/21stn Dmin 42km Az.gap 217°
Corr. -0.305 19M/19stn Msd 0.2 2↑ 1↓

94/19887
AUG 21 1242 54.2s 38.74S 176.41E 104km M=3.5
0.2 0.01 0.01 2
Rsd 0.3s 50ph/36stn Dmin 32km Az.gap 94°
Corr. -0.454 35M/28stn Msd 0.2 4↑ 3↓

94/19907
AUG 21 2007 44.1s 39.24S 174.85E 218km M=3.9
0.3 0.01 0.01 2
Rsd 0.2s 40ph/34stn Dmin 52km Az.gap 144°
Corr. 0.182 23M/23stn Msd 0.2 1↑ 3↓

94/19911
AUG 21 2149 21.5s 44.59S 167.88E 51km M=3.5
0.3 0.01 0.01 10
Rsd 0.2s 25ph/17stn Dmin 109km Az.gap 199°
Corr. -0.483 18M/14stn Msd 0.3

94/19923
AUG 22 0245 17.6s 38.20S 176.14E 168km M=4.4
0.3 0.01 0.01 3
Rsd 0.3s 56ph/43stn Dmin 5km Az.gap 133°
Corr. -0.378 26M/13stn Msd 0.2 8↑ 7↓

94/19928
AUG 22 0319 46.3s 38.93S 177.72E 26km M=4.1
0.1 0.01 0.01 1
Rsd 0.3s 37ph/32stn Dmin 11km Az.gap 61°
Corr. -0.025 34M/17stn Msd 0.2 4↑ 3↓

94/19950
AUG 22 0832 25.4s 39.69S 174.29E 207km M=3.5
0.3 0.02 0.02 3
Rsd 0.2s 29ph/21stn Dmin 49km Az.gap 116°
Corr. -0.152 18M/18stn Msd 0.2 1↑ 2↓

94/19955
AUG 22 0945 08.2s 35.82S 179.44E 170km M=4.5
0.3 0.03 0.02 6
Rsd 0.1s 36ph/26stn Dmin 222km Az.gap 284°
Corr. 0.652 23M/13stn Msd 0.1 1↑ 1↓

94/19957
AUG 22 1025 10.7s 36.74S 177.41E 144km M=3.6
0.3 0.02 0.03 3
Rsd 0.1s 21ph/15stn Dmin 106km Az.gap 302°
Corr. -0.103 22M/19stn Msd 0.1 1↓

94/19959
AUG 22 1039 17.7s 42.99S 171.43E 5km M=2.9
0.1 0.01 0.01 R
Rsd 0.2s 11ph/7stn Dmin 58km Az.gap 171°
Corr. -0.545 9M/8stn Msd 0.2 1↓
Felt Arthur's Pass (93).

94/19986
AUG 22 1746 31.7s 46.91S 165.29E 33km M=3.5
0.3 0.01 0.02 R
Rsd 0.1s 17ph/13stn Dmin 216km Az.gap 313°
Corr. 0.021 13M/13stn Msd 0.1

94/19988
AUG 22 1822 43.5s 41.06S 174.54E 39km M=3.7
0.1 0.01 0.01 2
Rsd 0.2s 29ph/26stn Dmin 23km Az.gap 59°
Corr. -0.332 18M/15stn Msd 0.2 1↑ 1↓
Felt Paraparaumu Beach (65) MM3.

94/19997
AUG 22 2308 39.0s 36.52S 177.15E 33km M=4.0
0.8 0.06 0.03 R
Rsd 0.1s 4ph/3stn Dmin 130km Az.gap 267°
Corr. 0.878 4M/2stn Msd 0.1

94/20000
AUG 22 2357 11.0s 37.01S 176.45E 33km M=3.6
0.3 0.03 0.02 R
Rsd 0.1s 5ph/4stn Dmin 141km Az.gap 337°
Corr. 0.637 4M/4stn Msd 0.1

94/20002
AUG 23 0006 08.5s 39.70S 174.25E 199km M=3.9
0.4 0.01 0.02 3
Rsd 0.2s 33ph/27stn Dmin 40km Az.gap 109°
Corr. 0.200 25M/23stn Msd 0.2

94/20005
AUG 23 0112 05.5s 42.95S 171.40E 5km M=4.8
0.1 0.01 0.01 R
Rsd 0.1s 15ph/11stn Dmin 56km Az.gap 118°
Corr. -0.248 22M/11stn Msd 0.3
Felt Arthur's Pass (93) and Whataroa (92) MM4 and Christchurch (110).

94/20008
AUG 23 0144 36.9s 37.90S 176.48E 140km M=4.0
0.3 0.02 0.01 3
Rsd 0.2s 41ph/36stn Dmin 15km Az.gap 113°
Corr. -0.086 26M/14stn Msd 0.2 1↑ 4↓

94/20035
AUG 23 1505 26.0s 37.48S 175.95E 232km M=3.9
0.5 0.06 0.08 7
Rsd 0.2s 31ph/25stn Dmin 153km Az.gap 250°
Corr. -0.564 33M/27stn Msd 0.2 1↓

94/20069
AUG 24 0411 53.1s 37.19S 176.67E 187km M=3.7
0.4 0.03 0.04 5
Rsd 0.2s 26ph/21stn Dmin 112km Az.gap 270°
Corr. -0.304 18M/17stn Msd 0.2 1↓

94/20104
AUG 24 1944 02.6s 36.85S 178.70E 12km M=4.2
0.6 0.04 0.04 R
Rsd 0.2s 29ph/24stn Dmin 90km Az.gap 280°
Corr. -0.439 23M/12stn Msd 0.3 1↑ 2↓

94/20122
AUG 25 0530 30.4s 37.22S 176.29E 211km M=3.9
0.3 0.03 0.04 5
Rsd 0.1s 26ph/20stn Dmin 136km Az.gap 279°
Corr. -0.469 15M/14stn Msd 0.2 3↑ 1↓

94/20130
AUG 25 1137 58.9s 37.62S 176.46E 196km M=5.5
0.3 0.02 0.01 3
Rsd 0.3s 65ph/51stn Dmin 43km Az.gap 115°
Corr. 0.104 40M/20stn Msd 0.3 1↑ 6↓

94/20137
AUG 25 1713 27.1s 41.39S 172.90E 131km M=5.0
0.3 0.01 0.01 3
Rsd 0.1s 29ph/26stn Dmin 42km Az.gap 105°
Corr. -0.287 32M/16stn Msd 0.2 9↑ 3↓
Felt Nelson (76).

94/20140
AUG 25 1821 03.7s 37.81S 176.02E 183km M=4.2
0.3 0.02 0.02 3
Rsd 0.2s 46ph/35stn Dmin 108km Az.gap 237°
Corr. -0.582 24M/13stn Msd 0.2 2↑ 2↓

94/20180
AUG 26 1541 55.5s 37.04S 176.88E 197km M=4.5
0.2 0.02 0.02 2
Rsd 0.2s 47ph/34stn Dmin 108km Az.gap 178°
Corr. 0.279 37M/19stn Msd 0.1 1↓

94/20199
AUG 26 2025 29.7s 43.02S 171.48E 5km M=3.9
0.1 0.01 0.00 R
Rsd 0.1s 21ph/19stn Dmin 61km Az.gap 123°
Corr. -0.386 37M/32stn Msd 0.2 1↑ 2↓
Felt Arthur's Pass (93) MM4.

94/20202
AUG 27 0045 57.3s 38.99S 176.26E 74km M=3.8
0.2 0.01 0.01 2
Rsd 0.3s 59ph/51stn Dmin 19km Az.gap 42°
Corr. -0.338 23M/13stn Msd 0.2 5↑ 1↓

94/20219
AUG 27 1041 25.1s 35.15S 178.58E 231km M=4.0
0.7 0.08 0.09 16
Rsd 0.2s 18ph/13stn Dmin 285km Az.gap 339°
Corr. -0.460 5M/5stn Msd 0.2 1↓

94/20223
AUG 27 1146 43.8s 42.98S 171.42E 5km M=3.9
0.1 0.01 0.00 R
Rsd 0.1s 22ph/19stn Dmin 57km Az.gap 114°
Corr. -0.438 12M/7stn Msd 0.2 1↑ 2↓
Felt Arthur's Pass (93) MM4 and Bealey Spur (93).

94/20242
AUG 27 1938 35.8s 36.93S 176.86E 12km M=4.0
1.0 0.13 0.08 R
Rsd 0.6s 7ph/6stn Dmin 104km Az.gap 201°
Corr. 0.943 10M/6stn Msd 0.2

94/20256
AUG 28 0021 41.4s 38.85S 175.97E 111km M=3.7
0.3 0.01 0.01 3
Rsd 0.3s 64ph/44stn Dmin 40km Az.gap 166°
Corr. -0.503 35M/30stn Msd 0.3 1↓

94/20273
AUG 28 0707 15.0s 35.32S 178.56E 164km M=3.8
0.5 0.09 0.10 16
Rsd 0.2s 18ph/14stn Dmin 254km Az.gap 340°
Corr. -0.679 9M/7stn Msd 0.4 1↓

94/20274
AUG 28 0749 31.5s 38.13S 176.32E 143km M=3.7
0.3 0.02 0.01 3
Rsd 0.3s 51ph/39stn Dmin 29km Az.gap 210°
Corr. -0.644 11M/7stn Msd 0.1 1↑ 5↓

94/20300
AUG 28 2338 20.4s 39.81S 174.38E 102km M=3.6
0.4 0.01 0.01 4
Rsd 0.3s 30ph/25stn Dmin 47km Az.gap 113°
Corr. -0.012 10M/10stn Msd 0.2 1↑

94/20306
AUG 29 0501 29.5s 45.10S 166.38E 12km M=4.0
0.2 0.01 0.02 R
Rsd 0.1s 17ph/15stn Dmin 73km Az.gap 271°
Corr. 0.202 8M/4stn Msd 0.1 1↓

94/20319
AUG 29 1243 09.5s 36.30S 178.14E 208km M=3.5
0.3 0.05 0.03 5
Rsd 0.1s 16ph/12stn Dmin 156km Az.gap 331°
Corr. -0.127 11M/11stn Msd 0.1 1↓

94/20327
AUG 29 1542 34.1s 37.91S 176.50E 142km M=4.2
0.3 0.01 0.01 3
Rsd 0.3s 53ph/41stn Dmin 66km Az.gap 102°
Corr. -0.293 41M/21stn Msd 0.1 14↑ 1↓

94/20329
AUG 29 1803 32.3s 37.59S 176.95E 137km M=4.1
0.2 0.01 0.01 2
Rsd 0.2s 55ph/41stn Dmin 63km Az.gap 139°
Corr. -0.287 40M/20stn Msd 0.1 11↑ 2↓

94/20336
AUG 29 2358 14.9s 35.06S 178.36E 182km M=3.7
0.6 0.11 0.12 20
Rsd 0.2s 16ph/11stn Dmin 295km Az.gap 345°
Corr. -0.740 6M/6stn Msd 0.2 1↓

94/20391
AUG 30 2122 30.4s 38.67S 175.73E 167km M=4.2
0.5 0.03 0.02 4
Rsd 0.3s 60ph/43stn Dmin 40km Az.gap 206°
Corr. -0.576 25M/15stn Msd 0.2 9↑ 2↓

94/20396
AUG 30 2225 48.7s 37.91S 175.82E 172km M=3.7
0.3 0.03 0.03 3
Rsd 0.2s 43ph/30stn Dmin 120km Az.gap 239°
Corr. -0.317 31M/28stn Msd 0.2 1↑ 3↓

94/20400
AUG 31 0110 36.9s 37.38S 176.06E 273km M=3.9
0.2 0.03 0.03 3
Rsd 0.1s 25ph/18stn Dmin 140km Az.gap 254°
Corr. -0.539 21M/21stn Msd 0.3 1↑ 1↓

94/20432
AUG 31 1224 34.6s 37.29S 177.29E 118km M=4.0
0.3 0.02 0.02 2
Rsd 0.3s 38ph/26stn Dmin 66km Az.gap 263°
Corr. -0.549 29M/15stn Msd 0.2 2↑

94/20438
AUG 31 1605 51.7s 44.98S 167.59E 86km M=3.7
0.3 0.02 0.01 4
Rsd 0.2s 19ph/15stn Dmin 64km Az.gap 192°
Corr. -0.378 25M/19stn Msd 0.2

94/20452
AUG 31 2311 23.8s 38.00S 175.52E 33km M=4.0
0.6 0.03 0.04 R
Rsd 0.3s 17ph/10stn Dmin 164km Az.gap 284°
Corr. -0.259 11M/9stn Msd 0.2

94/20465
SEP 01 0730 40.9s 38.04S 175.55E 121km M=3.6
0.5 0.06 0.09 15
Rsd 0.2s 26ph/20stn Dmin 139km Az.gap 239°
Corr. -0.774 16M/14stn Msd 0.1 1↑

94/20475
SEP 01 1126 45.9s 36.97S 176.87E 187km M=3.9
0.2 0.03 0.03 4
Rsd 0.2s 32ph/22stn Dmin 118km Az.gap 276°
Corr. -0.236 27M/22stn Msd 0.1 1↑

94/20476
SEP 01 1232 58.6s 35.45S 178.51E 232km M=5.0
0.4 0.04 0.03 6
Rsd 0.2s 41ph/34stn Dmin 239km Az.gap 269°
Corr. 0.668 36M/18stn Msd 0.1 1↑

94/20494
SEP 01 2151 25.9s 37.86S 176.15E 186km M=4.8
0.2 0.01 0.01 2
Rsd 0.2s 62ph/44stn Dmin 95km Az.gap 96°
Corr. -0.069 40M/20stn Msd 0.1 1↓

94/20495
SEP 01 2253 26.3s 37.91S 175.98E 144km M=3.8
0.3 0.02 0.04 4
Rsd 0.2s 23ph/16stn Dmin 107km Az.gap 239°
Corr. -0.483 9M/6stn Msd 0.1

94/20499
SEP 02 0116 12.2s 36.89S 179.89W 12km M=3.7
0.9 0.10 0.07 R
Rsd 0.1s 20ph/16stn Dmin 171km Az.gap 333°
Corr. -0.328 16M/15stn Msd 0.3

94/20508
SEP 02 0458 05.6s 38.26S 175.19E 24km M=3.5
1.1 0.02 0.14 7
Rsd 0.3s 7ph/5stn Dmin 56km Az.gap 216°
Corr. -0.670 1M/1stn Msd 0.0

94/20512
SEP 02 0613 29.3s 38.54S 176.17E 152km M=3.7
0.7 0.03 0.03 6
Rsd 0.3s 23ph/17stn Dmin 75km Az.gap 119°
Corr. -0.727 25M/21stn Msd 0.3 1↑ 1↓

94/20520
SEP 02 0852 17.7s 36.91S 176.88E 236km M=3.8
0.3 0.04 0.04 3
Rsd 0.1s 28ph/22stn Dmin 123km Az.gap 294°
Corr. -0.422 11M/11stn Msd 0.3 3↑ 2↓

94/20535
SEP 02 1436 08.7s 41.61S 178.03E 12km M=3.6
0.7 0.04 0.04 R
Rsd 0.4s 23ph/18stn Dmin 184km Az.gap 237°
Corr. -0.586 13M/13stn Msd 0.3 1↓

94/20542
SEP 02 1737 01.8s 38.28S 178.54E 30km M=3.6
0.2 0.01 0.01 1
Rsd 0.2s 30ph/24stn Dmin 19km Az.gap 220°
Corr. -0.303 32M/17stn Msd 0.3 5↑ 3↓

94/20549
SEP 02 1951 40.6s 36.63S 178.78E 211km M=3.9
0.6 0.11 0.08 11
Rsd 0.1s 12ph/10stn Dmin 132km Az.gap 276°
Corr. -0.032 9M/7stn Msd 0.2 1↑

94/20552
SEP 02 2059 39.9s 40.04S 173.69E 194km M=3.5
0.7 0.10 0.03 9
Rsd 0.3s 11ph/7stn Dmin 87km Az.gap 245°
Corr. 0.349 5M/5stn Msd 0.2

94/20557
SEP 02 2224 53.4s 37.26S 177.89E 59km M=3.9
0.4 0.03 0.02 4
Rsd 0.3s 37ph/29stn Dmin 35km Az.gap 195°
Corr. -0.256 32M/16stn Msd 0.2 5↑ 1↓

94/20577
SEP 03 0757 12.5s 37.02S 176.16E 236km M=3.7
0.5 0.05 0.06 6
Rsd 0.1s 25ph/22stn Dmin 159km Az.gap 274°
Corr. -0.450 14M/14stn Msd 0.1 1↓

94/20585
SEP 03 0941 17.2s 35.95S 179.07E 189km M=5.2
0.5 0.04 0.03 6
Rsd 0.2s 42ph/32stn Dmin 195km Az.gap 276°
Corr. 0.347 38M/19stn Msd 0.1 1↓

94/20593
SEP 03 1706 08.5s 35.21S 177.71E 12km M=4.0
1.0 0.07 0.08 R
Rsd 0.2s 10ph/9stn Dmin 278km Az.gap 340°
Corr. 0.258 6M/6stn Msd 0.2

94/20595
SEP 03 1747 01.4s 43.13S 171.46E 5km M=3.7
0.2 0.01 0.01 R
Rsd 0.2s 11ph/7stn Dmin 66km Az.gap 150°
Corr. -0.441 29M/24stn Msd 0.2

94/20598
SEP 03 1823 06.6s 36.73S 177.03E 12km M=4.0
0.6 0.06 0.03 R
Rsd 0.5s 18ph/12stn Dmin 117km Az.gap 222°
Corr. 0.834 10M/5stn Msd 0.0

94/20605
SEP 04 0008 28.1s 44.12S 168.60E 5km M=4.5
0.1 0.01 0.01 R
Rsd 0.1s 15ph/13stn Dmin 70km Az.gap 193°
Corr. -0.727 8M/4stn Msd 0.3

94/20609
SEP 04 0345 43.8s 37.98S 176.58E 81km M=3.6
0.3 0.02 0.02 3
Rsd 0.2s 30ph/21stn Dmin 56km Az.gap 226°
Corr. -0.651 14M/8stn Msd 0.1 1↑ 1↓

94/20623
SEP 04 1046 46.7s 45.17S 167.45E 113km M=3.6
0.3 0.02 0.02 3
Rsd 0.2s 20ph/15stn Dmin 40km Az.gap 187°
Corr. -0.342 20M/16stn Msd 0.2 1↑

94/20627
SEP 04 1217 46.4s 42.15S 173.61E 36km M=3.5
0.1 0.02 0.02 5
Rsd 0.3s 19ph/15stn Dmin 31km Az.gap 139°
Corr. -0.564 11M/9stn Msd 0.3 1↑ 1↓

94/20632
SEP 04 1325 22.5s 35.91S 177.43E 200km M=3.9
0.5 0.07 0.08 10
Rsd 0.3s 35ph/27stn Dmin 191km Az.gap 318°
Corr. -0.628 21M/17stn Msd 0.2 1↑ 3↓

94/20634
SEP 04 1417 12.7s 37.16S 179.98E 33km M=3.5
0.3 0.03 0.02 R
Rsd 0.1s 14ph/11stn Dmin 146km Az.gap 339°
Corr. -0.594 6M/5stn Msd 0.3

94/20650
SEP 04 2004 01.7s 35.97S 177.29E 231km M=3.7
0.3 0.04 0.04 6
Rsd 0.1s 7ph/5stn Dmin 213km Az.gap 344°
Corr. -0.033 4M/3stn Msd 0.3 1↑ 2↓

94/20675
SEP 05 1024 40.5s 35.40S 179.34E 279km M=3.7
0.6 0.32 0.30 22
Rsd 0.2s 5ph/4stn Dmin 280km Az.gap 354°
Corr. -0.869 2M/2stn Msd 0.2 1↓

94/20681
SEP 05 1301 06.1s 40.25S 174.63E 51km M=3.7
0.2 0.01 0.01 5
Rsd 0.3s 29ph/24stn Dmin 56km Az.gap 105°
Corr. 0.103 15M/14stn Msd 0.3 1↑ 1↓
Felt Castlecliff (56).

94/20685
SEP 05 1357 37.5s 36.26S 177.52E 192km M=4.2
0.4 0.06 0.05 8
Rsd 0.1s 35ph/23stn Dmin 151km Az.gap 289°
Corr. -0.319 19M/11stn Msd 0.1 1↑

94/20686
SEP 05 1400 10.1s 35.94S 177.77E 191km M=3.9
0.6 0.10 0.07 13
Rsd 0.1s 17ph/14stn Dmin 181km Az.gap 316°
Corr. -0.477 27M/21stn Msd 0.2 1↑ 1↓

94/20688
SEP 05 1438 09.5s 37.53S 175.92E 33km M=3.7
1.0 0.07 0.06 R
Rsd 0.2s 11ph/8stn Dmin 144km Az.gap 321°
Corr. -0.389 7M/6stn Msd 0.2 1↑

94/20692
SEP 05 1655 14.5s 35.52S 178.64E 222km M=3.5
0.6 0.10 0.09 15
Rsd 0.1s 16ph/14stn Dmin 244km Az.gap 342°
Corr. -0.249 5M/5stn Msd 0.2 1↓

94/20700
SEP 05 2238 03.8s 38.73S 175.87E 122km M=4.0
0.5 0.02 0.02 5
Rsd 0.3s 43ph/30stn Dmin 42km Az.gap 192°
Corr. -0.499 12M/7stn Msd 0.1 1↑ 2↓

94/20711
SEP 06 0645 29.7s 41.20S 172.54E 5km M=3.7
0.3 0.01 0.03 R
Rsd 0.3s 25ph/17stn Dmin 42km Az.gap 150°
Corr. 0.319 8M/5stn Msd 0.1 1↓

94/20720
SEP 06 1320 55.8s 38.24S 175.25E 33km M=3.5
0.6 0.04 0.04 R
Rsd 0.5s 14ph/11stn Dmin 188km Az.gap 245°
Corr. -0.720 8M/8stn Msd 0.3

94/20734
SEP 06 2255 44.1s 37.03S 177.40E 141km M=4.1
0.2 0.02 0.02 2
Rsd 0.2s 35ph/24stn Dmin 80km Az.gap 274°
Corr. -0.465 27M/14stn Msd 0.1 2↑ 2↓

94/20736
SEP 07 0045 15.1s 38.69S 175.79E 141km M=4.4
0.6 0.03 0.02 5
Rsd 0.4s 49ph/40stn Dmin 41km Az.gap 189°
Corr. -0.659 32M/16stn Msd 0.2 4↑ 4↓

94/20738
SEP 07 0130 05.4s 43.02S 171.38E 12km M=3.6
0.1 0.01 0.01 R
Rsd 0.1s 12ph/7stn Dmin 70km Az.gap 164°
Corr. -0.652 13M/9stn Msd 0.4 1↑
Felt Arthur's Pass (93).

94/20739
SEP 07 0218 59.1s 36.67S 176.98E 33km M=3.8
0.7 0.06 0.06 R
Rsd 0.3s 6ph/3stn Dmin 135km Az.gap 340°
Corr. 0.434 4M/3stn Msd 0.2

94/20764
SEP 07 1944 47.0s 39.15S 175.45E 145km M=3.9
0.5 0.02 0.02 4
Rsd 0.4s 45ph/36stn Dmin 10km Az.gap 125°
Corr. -0.428 13M/7stn Msd 0.1 4↑ 4↓

94/20771
SEP 07 2222 38.0s 36.75S 176.62E 240km M=4.0
0.3 0.04 0.05 4
Rsd 0.1s 21ph/19stn Dmin 151km Az.gap 295°
Corr. -0.272 11M/11stn Msd 0.2 1↑ 2↓

94/20796
SEP 08 1113 40.1s 35.02S 178.64E 266km M=4.2
0.7 0.08 0.09 9
Rsd 0.1s 22ph/20stn Dmin 287km Az.gap 332°
Corr. -0.335 23M/21stn Msd 0.2 1↓

94/20804
SEP 08 1705 19.4s 43.01S 171.46E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.1s 15ph/8stn Dmin 70km Az.gap 135°
Corr. -0.642 20M/17stn Msd 0.4 1↑ 1↓

94/20805
SEP 08 1730 37.5s 36.07S 178.55E 33km M=4.0
0.7 0.06 0.05 R
Rsd 0.2s 26ph/23stn Dmin 171km Az.gap 328°
Corr. -0.270 14M/8stn Msd 0.1 1↑ 2↓

94/20811
SEP 08 1949 16.8s 37.78S 176.21E 161km M=3.9
0.4 0.03 0.03 5
Rsd 0.3s 30ph/23stn Dmin 112km Az.gap 222°
Corr. -0.653 15M/8stn Msd 0.1 1↑ 2↓

94/20825
SEP 09 0200 17.2s 43.55S 171.28E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 13ph/8stn Dmin 35km Az.gap 102°
Corr. -0.404 12M/9stn Msd 0.4

94/20828
SEP 09 0245 00.9s 45.39S 166.82E 13km M=4.2
0.4 0.02 0.02 2
Rsd 0.1s 17ph/14stn Dmin 28km Az.gap 258°
Corr. 0.059 9M/5stn Msd 0.2 1↓

94/20843
SEP 09 0912 06.4s 38.45S 175.82E 151km M=3.7
0.4 0.03 0.02 4
Rsd 0.3s 38ph/29stn Dmin 66km Az.gap 200°
Corr. -0.669 10M/6stn Msd 0.1 1↑

94/20848
SEP 09 0943 39.3s 37.60S 176.39E 177km M=3.7
0.3 0.02 0.03 3
Rsd 0.2s 35ph/25stn Dmin 111km Az.gap 268°
Corr. -0.458 20M/17stn Msd 0.3 5↑ 1↓

94/20850
SEP 09 1150 45.6s 36.74S 177.41E 176km M=4.3
0.3 0.03 0.03 4
Rsd 0.2s 42ph/29stn Dmin 106km Az.gap 230°
Corr. -0.334 29M/16stn Msd 0.2 3↑ 1↓

94/20851
SEP 09 1155 27.8s 42.45S 173.60E 33km M=3.7
0.1 0.01 0.01 1
Rsd 0.2s 29ph/21stn Dmin 6km Az.gap 153°
Corr. -0.683 8M/4stn Msd 0.3 1↓

94/20865
SEP 09 1448 07.8s 36.37S 177.55E 193km M=3.6
0.3 0.05 0.03 6
Rsd 0.1s 13ph/9stn Dmin 155km Az.gap 310°
Corr. 0.350 16M/16stn Msd 0.2 1↓

94/20878
SEP 09 1937 13.5s 37.00S 176.97E 174km M=3.9
0.5 0.03 0.05 5
Rsd 0.2s 31ph/26stn Dmin 110km Az.gap 274°
Corr. -0.357 15M/15stn Msd 0.3 1↑

94/20879
SEP 09 1946 17.4s 36.97S 177.32E 137km M=3.8
0.3 0.03 0.03 3
Rsd 0.2s 37ph/26stn Dmin 90km Az.gap 283°
Corr. -0.449 16M/9stn Msd 0.1 1↓

94/20896
SEP 10 0248 38.2s 41.69S 174.19E 5km M=2.5
0.1 0.01 0.01 R
Rsd 0.3s 19ph/15stn Dmin 7km Az.gap 90°
Corr. -0.318 10M/10stn Msd 0.1 1↓
Felt Awatere Valley (83), Blind River and Seddon (84).

94/20898
SEP 10 0415 01.8s 42.18S 173.89E 12km M=4.3
0.1 0.01 0.01 R
Rsd 0.3s 34ph/23stn Dmin 39km Az.gap 151°
Corr. -0.495 12M/6stn Msd 0.1 3↑ 10↓
Felt Clifford Bay and Seddon (84). Largest of a series felt over 2 hours beginning at 15h on Sep 09.

94/20902
SEP 10 0433 25.0s 42.19S 173.91E 12km M=3.5
0.2 0.02 0.01 R
Rsd 0.4s 28ph/22stn Dmin 40km Az.gap 153°
Corr. -0.598 10M/5stn Msd 0.1 2↑ 1↓
Felt Awatere Valley (83), Blind River, Clifford Bay and Seddon (84).

94/20915

SEP 10 0811 42.2s 34.99S 177.54E 33km M=4.6
0.6 0.04 0.08 R
Rsd 0.2s 26ph/19stn Dmin 288km Az.gap 344°
Corr. 0.117 9M/8stn Msd 0.3 1↓

94/20921

SEP 10 0932 31.9s 37.98S 176.87E 126km M=5.9
0.3 0.01 0.01 2
Rsd 0.3s 63ph/50stn Dmin 17km Az.gap 66°
Corr. -0.006 40M/20stn Msd 0.2 28↑ 2↓
Felt from Opotiki (35) to Wellington (68), maximum intensity MM4.

94/20925

SEP 10 1016 22.3s 42.25S 173.96E 19km M=4.0
0.1 0.01 0.01 1
Rsd 0.2s 25ph/21stn Dmin 39km Az.gap 157°
Corr. -0.671 12M/6stn Msd 0.1 1↑

94/20938

SEP 10 1507 47.6s 41.68S 174.19E 5km M=2.9
0.1 0.01 0.01 R
Rsd 0.2s 23ph/20stn Dmin 9km Az.gap 89°
Corr. -0.424 16M/16stn Msd 0.3 1↓
Felt Awatere Valley (83), Blind River and Seddon (84).

94/20945

SEP 10 1636 05.6s 41.69S 174.19E 5km M=3.2
0.1 0.01 0.01 R
Rsd 0.3s 23ph/19stn Dmin 8km Az.gap 88°
Corr. -0.367 20M/18stn Msd 0.3 1↓
Felt Clifford Bay and Seddon (84).

94/20949

SEP 10 1714 35.7s 35.42S 178.45E 205km M=3.6
0.7 0.07 0.07 15
Rsd 0.1s 17ph/15stn Dmin 255km Az.gap 342°
Corr. -0.621 9M/9stn Msd 0.2 1↓

94/20960

SEP 10 1944 41.2s 36.77S 177.23E 171km M=3.6
0.4 0.05 0.05 4
Rsd 0.1s 16ph/14stn Dmin 120km Az.gap 321°
Corr. -0.476 13M/12stn Msd 0.3 1↓

94/20972

SEP 11 0102 09.6s 41.04S 174.64E 62km M=3.8
0.1 0.01 0.01 2
Rsd 0.2s 38ph/28stn Dmin 22km Az.gap 49°
Corr. -0.409 23M/19stn Msd 0.3 5↑ 3↓

94/20977

SEP 11 0433 25.6s 41.67S 174.18E 5km M=3.4
0.1 0.01 0.01 R
Rsd 0.4s 28ph/21stn Dmin 9km Az.gap 88°
Corr. -0.391 11M/9stn Msd 0.2 2↑ 1↓
Felt Awatere Valley (83), Blind River and Seddon (84).

94/20978

SEP 11 0433 42.3s 41.71S 174.16E 5km M=3.4
0.1 0.01 0.01 R
Rsd 0.3s 18ph/15stn Dmin 7km Az.gap 79°
Corr. -0.505 8M/4stn Msd 0.1
Felt Awatere Valley (83), Blind River and Seddon (84).

94/20988

SEP 11 0857 57.9s 41.68S 174.18E 5km M=2.2
0.1 0.01 0.01 R
Rsd 0.3s 15ph/12stn Dmin 8km Az.gap 86°
Corr. -0.322 2M/2stn Msd 0.1
Felt Awatere Valley (83), Blind River and Seddon (84).

94/20991

SEP 11 0953 04.6s 36.59S 177.12E 33km M=4.0
0.6 0.05 0.02 R
Rsd 0.3s 12ph/7stn Dmin 126km Az.gap 243°
Corr. 0.855 13M/7stn Msd 0.3

94/21008

SEP 11 1531 57.9s 39.57S 174.75E 153km M=3.5
0.3 0.03 0.02 3
Rsd 0.1s 14ph/12stn Dmin 132km Az.gap 279°
Corr. -0.058 7M/7stn Msd 0.1 1↑

94/21031

SEP 12 0249 03.6s 37.83S 176.76E 110km M=4.0
0.2 0.01 0.01 3
Rsd 0.3s 41ph/36stn Dmin 57km Az.gap 114°
Corr. -0.187 26M/14stn Msd 0.2 2↑ 3↓

94/21039

SEP 12 0907 52.2s 37.66S 175.99E 12km M=3.7
0.7 0.06 0.04 R
Rsd 0.2s 11ph/8stn Dmin 134km Az.gap 320°
Corr. -0.282 2M/2stn Msd 0.3

94/21071

SEP 12 1933 25.3s 38.08S 175.81E 165km M=3.6
0.3 0.03 0.02 4
Rsd 0.2s 34ph/26stn Dmin 123km Az.gap 229°
Corr. -0.705 27M/22stn Msd 0.2 3↑ 1↓

94/21081

SEP 13 0228 30.3s 39.82S 178.79E 0km M=3.6
1.0 0.04 0.03 7
Rsd 0.2s 26ph/25stn Dmin 105km Az.gap 238°
Corr. 0.088 10M/6stn Msd 0.2 2↑ 2↓

94/21086

SEP 13 0404 41.8s 45.29S 167.23E 64km M=3.9
0.3 0.01 0.01 2
Rsd 0.1s 18ph/14stn Dmin 21km Az.gap 207°
Corr. 0.024 8M/4stn Msd 0.2 2↓

94/21089
SEP 13 0558 55.3s 39.64S 174.29E 251km M=4.3
0.4 0.02 0.03 3
Rsd 0.2s 35ph/29stn Dmin 57km Az.gap 161°
Corr. -0.497 15M/9stn Msd 0.1 5↑ 10↓

94/21090
SEP 13 0600 28.3s 36.69S 177.27E 205km M=3.8
0.5 0.08 0.07 6
Rsd 0.2s 16ph/12stn Dmin 127km Az.gap 292°
Corr. 0.039 12M/12stn Msd 0.2

94/21092
SEP 13 0624 21.5s 42.93S 171.45E 5km M=3.4
0.2 0.01 0.01 R
Rsd 0.2s 14ph/11stn Dmin 69km Az.gap 130°
Corr. -0.111 20M/18stn Msd 0.2 1↓
Felt Arthur's Pass MM4.

94/21102
SEP 13 0924 08.6s 37.37S 175.88E 260km M=4.2
0.2 0.03 0.03 4
Rsd 0.1s 36ph/26stn Dmin 155km Az.gap 250°
Corr. -0.686 14M/7stn Msd 0.2 1↑ 3↓

94/21112
SEP 13 1311 44.7s 36.58S 177.00E 12km M=3.7
0.8 0.07 0.03 R
Rsd 0.3s 6ph/4stn Dmin 116km Az.gap 245°
Corr. 0.878 5M/3stn Msd 0.2

94/21124
SEP 13 1826 54.7s 36.40S 176.88E 228km M=3.8
0.5 0.09 0.09 9
Rsd 0.1s 26ph/19stn Dmin 164km Az.gap 281°
Corr. -0.408 27M/25stn Msd 0.2 1↓

94/21146
SEP 14 0339 34.9s 40.53S 175.91E 29km M=4.0
0.1 0.01 0.01 1
Rsd 0.2s 26ph/22stn Dmin 32km Az.gap 80°
Corr. -0.469 34M/30stn Msd 0.3 1↑ 3↓
Felt Feilding ,Pahiatua (62) and Masterton (66).

94/21161
SEP 14 1123 18.5s 37.22S 179.13E 12km M=5.1
0.4 0.03 0.02 R
Rsd 0.2s 37ph/30stn Dmin 79km Az.gap 274°
Corr. -0.109 42M/21stn Msd 0.4 3↑ 2↓

94/21172
SEP 14 1608 11.8s 39.27S 174.81E 211km M=3.7
0.2 0.01 0.01 2
Rsd 0.1s 36ph/30stn Dmin 60km Az.gap 154°
Corr. -0.078 30M/30stn Msd 0.2 5↑ 9↓

94/21181
SEP 14 1941 29.2s 44.45S 170.34E 12km M=3.7
0.1 0.01 0.01 R
Rsd 0.1s 18ph/16stn Dmin 71km Az.gap 93°
Corr. 0.239 18M/13stn Msd 0.2 2↑

94/21185
SEP 14 2048 06.7s 44.44S 170.32E 12km M=3.7
0.1 0.01 0.01 R
Rsd 0.1s 18ph/15stn Dmin 22km Az.gap 118°
Corr. 0.527 21M/16stn Msd 0.2 2↑ 1↓

94/21225
SEP 15 1509 41.2s 43.18S 171.44E 5km M=5.0
0.1 0.01 0.01 R
Rsd 0.1s 16ph/11stn Dmin 59km Az.gap 90°
Corr. -0.073 26M/14stn Msd 0.2 1↓
Felt central Canterbury and Greymouth, maximum intensity MM5 at Coleridge (100). Continuous aftershocks felt for 2 hours at Coleridge.

94/21233
SEP 15 1637 12.8s 35.41S 178.52E 220km M=3.9
0.4 0.06 0.06 10
Rsd 0.1s 28ph/19stn Dmin 243km Az.gap 332°
Corr. -0.181 16M/15stn Msd 0.2 1↑

94/21236
SEP 15 1837 50.3s 38.42S 177.85E 33km M=4.9
0.1 0.00 0.01 1
Rsd 0.2s 45ph/37stn Dmin 15km Az.gap 61°
Corr. -0.348 42M/21stn Msd 0.3 7↑ 21↓
Felt Ormond (44) and Gisborne (45).

94/21248
SEP 15 2245 22.6s 43.24S 171.61E 5km M=3.6
0.3 0.01 0.01 R
Rsd 0.2s 12ph/7stn Dmin 73km Az.gap 112°
Corr. 0.057 33M/27stn Msd 0.2 1↓
Felt Coleridge Power Stn (100) MM4.

94/21257
SEP 16 0032 36.5s 38.10S 175.99E 170km M=3.7
0.3 0.02 0.02 4
Rsd 0.2s 34ph/26stn Dmin 107km Az.gap 229°
Corr. -0.641 32M/26stn Msd 0.2 1↑ 2↓

94/21281
SEP 16 1102 53.5s 39.16S 175.50E 108km M=3.9
0.3 0.01 0.02 2
Rsd 0.2s 39ph/33stn Dmin 7km Az.gap 148°
Corr. -0.423 9M/6stn Msd 0.2 1↓

94/21286
SEP 16 1311 56.5s 38.57S 175.73E 158km M=4.0
0.4 0.02 0.01 4
Rsd 0.2s 45ph/37stn Dmin 51km Az.gap 147°
Corr. -0.479 9M/6stn Msd 0.3 1↑ 3↓

94/21296
SEP 16 1605 49.9s 36.97S 176.46E 254km M=3.8
0.4 0.07 0.08 6
Rsd 0.1s 25ph/20stn Dmin 143km Az.gap 277°
Corr. -0.391 25M/24stn Msd 0.2 1↓

94/21307
SEP 16 2018 23.5s 35.77S 178.18E 210km M=4.1
0.5 0.05 0.07 7
Rsd 0.2s 37ph/23stn Dmin 199km Az.gap 325°
Corr. -0.409 27M/23stn Msd 0.2 1↑ 2↓

94/21311
SEP 16 2133 48.3s 37.20S 177.28E 119km M=3.5
0.5 0.03 0.04 5
Rsd 0.3s 30ph/20stn Dmin 75km Az.gap 267°
Corr. -0.301 20M/16stn Msd 0.2 1↑

94/21347
SEP 17 0927 15.3s 42.59S 173.82E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 24ph/17stn Dmin 30km Az.gap 168°
Corr. -0.363 19M/14stn Msd 0.3 1↑ 1↓

94/21348
SEP 17 0935 19.2s 35.23S 178.16E 184km M=3.7
0.5 0.08 0.12 18
Rsd 0.2s 20ph/14stn Dmin 259km Az.gap 343°
Corr. -0.759 9M/9stn Msd 0.2 1↓

94/21352
SEP 17 1015 48.8s 37.54S 176.20E 199km M=3.7
0.3 0.03 0.02 3
Rsd 0.2s 42ph/31stn Dmin 121km Az.gap 251°
Corr. -0.653 27M/24stn Msd 0.2 1↓

94/21366
SEP 17 1422 47.6s 38.47S 175.59E 174km M=3.5
0.6 0.03 0.02 5
Rsd 0.2s 22ph/19stn Dmin 59km Az.gap 221°
Corr. -0.581 22M/19stn Msd 0.2

94/21387
SEP 17 2056 49.7s 45.24S 167.12E 48km M=3.9
0.2 0.01 0.02 2
Rsd 0.1s 19ph/15stn Dmin 25km Az.gap 233°
Corr. -0.190 8M/4stn Msd 0.3 2↓

94/21391
SEP 17 2325 18.6s 41.79S 174.09E 5km M=4.0
0.2 0.02 0.01 R
Rsd 0.3s 22ph/18stn Dmin 11km Az.gap 140°
Corr. -0.669 8M/4stn Msd 0.1 3↑ 1↓
Felt Seddon and Ward (84) MM4.

94/21398
SEP 18 0126 07.3s 41.81S 174.11E 5km M=3.7
0.1 0.02 0.01 R
Rsd 0.3s 21ph/17stn Dmin 11km Az.gap 141°
Corr. -0.648 8M/4stn Msd 0.1 1↑
Felt Seddon (84).

94/21399
SEP 18 0157 05.7s 35.85S 178.47E 148km M=3.6
1.1 0.12 0.10 30
Rsd 0.3s 21ph/16stn Dmin 194km Az.gap 341°
Corr. -0.337 10M/10stn Msd 0.1 1↓

94/21404
SEP 18 0307 49.8s 37.73S 177.27E 68km M=4.1
0.2 0.01 0.01 3
Rsd 0.3s 53ph/42stn Dmin 23km Az.gap 92°
Corr. -0.040 34M/17stn Msd 0.2 10↑ 13↓

94/21422
SEP 18 1045 08.2s 38.98S 175.39E 160km M=3.6
0.3 0.02 0.02 3
Rsd 0.2s 38ph/30stn Dmin 13km Az.gap 204°
Corr. -0.336 20M/20stn Msd 0.2 2↑ 2↓

94/21432
SEP 18 1725 21.1s 38.88S 175.24E 238km M=3.7
0.3 0.02 0.02 3
Rsd 0.1s 32ph/26stn Dmin 43km Az.gap 210°
Corr. -0.272 27M/27stn Msd 0.2 9↑ 1↓

94/21433
SEP 18 1735 28.8s 39.01S 175.90E 5km M=3.4
0.1 0.01 0.01 R
Rsd 0.3s 21ph/19stn Dmin 21km Az.gap 109°
Corr. -0.461 29M/27stn Msd 0.2 2↑ 4↓
Felt Motuoapa (40) MM4.

94/21441
SEP 18 2241 58.5s 38.32S 177.40E 55km M=3.7
0.1 0.01 0.01 2
Rsd 0.2s 42ph/38stn Dmin 27km Az.gap 48°
Corr. -0.026 27M/14stn Msd 0.2 7↑ 4↓

94/21443
SEP 18 2324 17.8s 39.73S 174.59E 107km M=3.5
0.4 0.01 0.02 4
Rsd 0.3s 20ph/17stn Dmin 31km Az.gap 112°
Corr. -0.121 9M/9stn Msd 0.2

94/21450
SEP 19 0649 37.1s 35.98S 179.23E 318km M=3.5
3.1 0.71 0.28 64
Rsd 0.1s 6ph/5stn Dmin 218km Az.gap 346°
Corr. -0.782 4M/4stn Msd 0.2

94/21456
SEP 19 0930 51.9s 36.05S 177.41E 33km M=3.7
0.6 0.04 0.06 R
Rsd 0.1s 10ph/6stn Dmin 189km Az.gap 336°
Corr. -0.013 6M/5stn Msd 0.5 1↓

94/21466
SEP 19 1608 52.5s 38.36S 175.85E 151km M=3.7
0.5 0.03 0.02 5
Rsd 0.3s 37ph/30stn Dmin 77km Az.gap 215°
Corr. -0.634 25M/22stn Msd 0.3 1↑ 4↓

94/21488
SEP 20 0351 31.0s 35.44S 178.82E 198km M=4.2
0.5 0.06 0.08 9
Rsd 0.1s 20ph/17stn Dmin 245km Az.gap 335°
Corr. -0.101 9M/5stn Msd 0.1

94/21496
SEP 20 0928 31.7s 38.24S 176.03E 175km M=3.7
0.7 0.03 0.02 7
Rsd 0.2s 18ph/14stn Dmin 95km Az.gap 244°
Corr. -0.304 10M/9stn Msd 0.2 3↑ 1↓

94/21502
SEP 20 1414 17.4s 38.56S 175.76E 142km M=3.5
0.7 0.03 0.03 7
Rsd 0.2s 24ph/18stn Dmin 70km Az.gap 238°
Corr. -0.472 13M/12stn Msd 0.2 1↓

94/21503
SEP 20 1525 19.9s 37.64S 176.81E 143km M=4.7
0.3 0.02 0.01 3
Rsd 0.2s 47ph/42stn Dmin 36km Az.gap 115°
Corr. 0.110 38M/19stn Msd 0.2 1↑ 3↓

94/21552
SEP 21 1829 41.2s 38.72S 176.00E 173km M=3.5
1.0 0.07 0.12 10
Rsd 0.3s 13ph/9stn Dmin 93km Az.gap 258°
Corr. -0.877 9M/9stn Msd 0.2 1↑

94/21563
SEP 22 0047 57.8s 38.13S 179.17E 26km M=5.7
0.4 0.01 0.02 2
Rsd 0.2s 44ph/38stn Dmin 74km Az.gap 272°
Corr. 0.086 50M/26stn Msd 0.4 1↑ 14↓
Felt Patoka (52) MM3.

94/21589
SEP 22 1541 33.7s 37.03S 176.66E 226km M=4.0
0.2 0.03 0.03 3
Rsd 0.1s 36ph/28stn Dmin 125km Az.gap 265°
Corr. -0.367 8M/6stn Msd 0.2 5↑ 1↓

94/21595
SEP 22 1841 41.7s 40.27S 174.13E 109km M=3.8
0.2 0.01 0.01 3
Rsd 0.2s 30ph/19stn Dmin 62km Az.gap 122°
Corr. -0.062 12M/10stn Msd 0.2 4↑ 2↓

94/21596
SEP 22 1848 37.1s 38.05S 178.84E 48km M=3.6
0.3 0.02 0.02 3
Rsd 0.2s 24ph/15stn Dmin 45km Az.gap 292°
Corr. -0.427 13M/7stn Msd 0.5 1↑

94/21600
SEP 22 2113 06.8s 38.81S 175.89E 109km M=4.7
0.3 0.01 0.01 3
Rsd 0.2s 54ph/47stn Dmin 20km Az.gap 86°
Corr. -0.265 42M/21stn Msd 0.2 3↑ 3↓

94/21603
SEP 22 2148 36.5s 38.10S 179.06E 28km M=3.6
0.4 0.01 0.02 3
Rsd 0.3s 25ph/20stn Dmin 64km Az.gap 285°
Corr. -0.117 19M/11stn Msd 0.1 1↓

94/21615
SEP 23 0727 42.5s 37.87S 175.38E 158km M=3.8
0.9 0.09 0.11 23
Rsd 0.7s 34ph/27stn Dmin 183km Az.gap 252°
Corr. -0.895 19M/15stn Msd 0.2 2↑ 2↓

94/21624
SEP 23 1004 50.5s 43.11S 171.48E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 14ph/10stn Dmin 61km Az.gap 97°
Corr. -0.306 37M/31stn Msd 0.2 1↑ 1↓

94/21631
SEP 23 1153 17.0s 35.90S 177.89E 171km M=4.1
0.9 0.29 0.19 38
Rsd 0.2s 18ph/13stn Dmin 184km Az.gap 313°
Corr. -0.297 10M/8stn Msd 0.2 1↑

94/21632
SEP 23 1219 43.8s 38.75S 175.85E 120km M=3.9
0.3 0.01 0.01 3
Rsd 0.1s 45ph/36stn Dmin 26km Az.gap 142°
Corr. -0.403 19M/12stn Msd 0.1 1↓

94/21656
SEP 23 2031 37.7s 36.01S 176.96E 33km M=4.3
1.8 0.11 0.24 R
Rsd 0.5s 14ph/10stn Dmin 206km Az.gap 341°
Corr. 0.315 8M/8stn Msd 0.4 1↑ 1↓

94/21670
SEP 24 0352 02.6s 37.86S 177.81E 50km M=3.6
0.2 0.01 0.01 2
Rsd 0.3s 31ph/23stn Dmin 12km Az.gap 71°
Corr. -0.291 27M/14stn Msd 0.3 4↑ 2↓

94/21681
SEP 24 1037 20.1s 37.13S 176.86E 12km M=3.6
0.2 0.50 0.21 R
Rsd 0.2s 5ph/3stn Dmin 110km Az.gap 181°
Corr. 0.999 2M/1stn Msd 0.1 1↑

94/21700
SEP 25 0411 52.0s 37.79S 177.57E 42km M=4.0
0.2 0.01 0.01 3
Rsd 0.4s 38ph/33stn Dmin 10km Az.gap 107°
Corr. -0.179 30M/15stn Msd 0.2 8↑ 7↓

94/21702
SEP 25 0616 22.8s 38.37S 175.91E 138km M=4.0
0.3 0.02 0.03 5
Rsd 0.2s 39ph/26stn Dmin 113km Az.gap 215°
Corr. -0.796 15M/9stn Msd 0.2 3↑ 7↓

94/21703
SEP 25 0626 15.9s 38.11S 179.13E 26km M=4.7
0.3 0.01 0.02 2
Rsd 0.3s 38ph/30stn Dmin 71km Az.gap 270°
Corr. 0.057 36M/18stn Msd 0.4 5↑ 2↓

94/21706
SEP 25 1048 22.7s 38.10S 179.18E 23km M=4.3
0.3 0.01 0.02 2
Rsd 0.2s 39ph/29stn Dmin 74km Az.gap 274°
Corr. 0.078 32M/16stn Msd 0.4 4↑ 1↓

94/21712
SEP 25 1316 51.6s 38.10S 179.22E 24km M=4.5
0.2 0.01 0.01 1
Rsd 0.2s 47ph/33stn Dmin 78km Az.gap 275°
Corr. 0.238 36M/18stn Msd 0.4 9↑ 1↓

94/21722
SEP 25 1603 03.1s 43.08S 171.46E 5km M=3.0
0.1 0.01 0.01 R
Rsd 0.1s 7ph/5stn Dmin 69km Az.gap 145°
Corr. -0.349 8M/6stn Msd 0.2 1↑
Felt Arthur's Pass (93) MM4.

94/21746
SEP 26 0111 42.7s 39.60S 175.78E 64km M=3.6
0.2 0.01 0.01 2
Rsd 0.2s 29ph/26stn Dmin 40km Az.gap 80°
Corr. -0.083 18M/14stn Msd 0.1 1↑

94/21792
SEP 26 2103 50.9s 37.76S 176.15E 156km M=4.0
0.5 0.03 0.06 7
Rsd 0.2s 15ph/12stn Dmin 118km Az.gap 251°
Corr. -0.411 13M/8stn Msd 1.3

94/21797
SEP 27 0022 03.0s 39.11S 174.80E 237km M=3.7
0.3 0.01 0.02 3
Rsd 0.1s 20ph/16stn Dmin 70km Az.gap 254°
Corr. -0.297 10M/10stn Msd 0.2 1↑

94/21799
SEP 27 0153 47.1s 37.99S 175.96E 183km M=3.7
0.4 0.03 0.02 4
Rsd 0.2s 32ph/28stn Dmin 105km Az.gap 230°
Corr. -0.730 20M/19stn Msd 0.2 1↓

94/21804
SEP 27 0402 16.6s 38.33S 175.77E 156km M=3.5
1.2 0.13 0.24 30
Rsd 0.5s 16ph/13stn Dmin 138km Az.gap 235°
Corr. -0.916 11M/10stn Msd 0.3

94/21830
SEP 27 1322 46.1s 36.71S 177.02E 12km M=4.7
0.6 0.06 0.03 R
Rsd 0.5s 25ph/19stn Dmin 92km Az.gap 194°
Corr. 0.669 24M/12stn Msd 0.1 1↑

94/21832
SEP 27 1328 23.8s 36.81S 177.03E 12km M=4.3
0.3 0.03 0.02 R
Rsd 0.3s 21ph/16stn Dmin 81km Az.gap 197°
Corr. 0.785 22M/12stn Msd 0.1

94/21840
SEP 27 1538 29.8s 36.71S 177.06E 33km M=4.3
0.3 0.03 0.02 R
Rsd 0.3s 22ph/19stn Dmin 92km Az.gap 203°
Corr. 0.687 19M/10stn Msd 0.2 4↑ 1↓

94/21849
SEP 27 2030 01.4s 36.71S 177.08E 12km M=3.8
0.3 0.03 0.01 R
Rsd 0.2s 11ph/9stn Dmin 121km Az.gap 225°
Corr. 0.844 16M/9stn Msd 0.2

94/21852
SEP 27 2203 45.7s 37.18S 177.14E 144km M=3.7
0.4 0.03 0.04 4
Rsd 0.3s 26ph/18stn Dmin 85km Az.gap 299°
Corr. -0.387 19M/14stn Msd 0.1 3↑ 1↓

94/21862
SEP 28 0031 46.7s 36.79S 177.04E 12km M=3.7
0.2 0.03 0.01 R
Rsd 0.2s 7ph/5stn Dmin 118km Az.gap 217°
Corr. 0.891 8M/5stn Msd 0.3 1↑

94/21866
SEP 28 0250 08.9s 37.17S 177.42E 125km M=4.5
0.3 0.02 0.02 2
Rsd 0.2s 41ph/34stn Dmin 45km Az.gap 195°
Corr. -0.195 36M/18stn Msd 0.2 8↑ 1↓

94/21869
SEP 28 0318 01.1s 36.87S 177.13E 172km M=3.6
0.4 0.04 0.05 5
Rsd 0.2s 21ph/17stn Dmin 109km Az.gap 303°
Corr. -0.158 9M/8stn Msd 0.1 1↑

94/21873
SEP 28 0421 49.7s 38.23S 178.61E 33km M=3.7
0.2 0.01 0.01 1
Rsd 0.3s 36ph/27stn Dmin 26km Az.gap 229°
Corr. -0.280 22M/11stn Msd 0.2 7↑ 3↓

94/21876
SEP 28 0653 56.4s 36.63S 177.09E 12km M=4.6
0.7 0.06 0.03 R
Rsd 0.5s 21ph/18stn Dmin 100km Az.gap 200°
Corr. 0.745 20M/10stn Msd 0.2

94/21884
SEP 28 1119 34.0s 36.98S 176.57E 210km M=3.9
0.5 0.05 0.06 6
Rsd 0.1s 22ph/17stn Dmin 135km Az.gap 282°
Corr. -0.093 11M/7stn Msd 0.2

94/21887
SEP 28 1258 20.6s 39.01S 175.31E 113km M=3.9
0.3 0.01 0.01 2
Rsd 0.1s 26ph/22stn Dmin 20km Az.gap 122°
Corr. 0.296 22M/17stn Msd 0.2 1↑ 2↓

94/21890
SEP 28 1329 56.3s 41.34S 172.09E 24km M=4.2
0.3 0.02 0.04 4
Rsd 0.2s 18ph/13stn Dmin 51km Az.gap 185°
Corr. -0.905 10M/5stn Msd 0.2 1↑

94/21892
SEP 28 1446 33.2s 39.57S 176.32E 86km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 36ph/30stn Dmin 15km Az.gap 72°
Corr. -0.434 23M/19stn Msd 0.2 2↑ 1↓

94/21893
SEP 28 1804 13.8s 35.31S 177.90E 196km M=3.9
0.6 0.14 0.15 22
Rsd 0.2s 12ph/9stn Dmin 256km Az.gap 334°
Corr. -0.703 9M/6stn Msd 0.3

94/21900
SEP 28 2117 33.6s 38.99S 175.91E 12km M=3.7
0.2 0.02 0.01 R
Rsd 0.4s 8ph/5stn Dmin 87km Az.gap 143°
Corr. 0.297 11M/9stn Msd 0.2 1↑
Felt Motuoapa (40) MM3.

94/21904
SEP 28 2304 03.5s 41.49S 173.66E 75km M=3.9
0.2 0.01 0.01 3
Rsd 0.2s 23ph/19stn Dmin 31km Az.gap 117°
Corr. -0.602 15M/10stn Msd 0.2

94/21905
SEP 28 2310 56.9s 38.56S 175.87E 119km M=3.8
0.4 0.02 0.01 4
Rsd 0.2s 35ph/27stn Dmin 93km Az.gap 149°
Corr. -0.276 13M/7stn Msd 0.1 1↓

94/21914
SEP 29 0715 54.8s 37.03S 176.52E 246km M=4.0
0.5 0.04 0.06 6
Rsd 0.1s 24ph/22stn Dmin 134km Az.gap 283°
Corr. -0.322 12M/11stn Msd 0.2 1↓

94/21930
SEP 30 0509 28.2s 34.81S 178.20E 254km M=4.3
1.1 0.40 0.46 65
Rsd 0.2s 7ph/5stn Dmin 321km Az.gap 353°
Corr. -0.726 2M/1stn Msd 0.4 1↓

94/21932
SEP 30 0531 08.0s 38.11S 179.04E 27km M=4.2
0.3 0.01 0.02 2
Rsd 0.3s 32ph/24stn Dmin 63km Az.gap 267°
Corr. 0.166 27M/14stn Msd 0.2 1↑

94/21936
SEP 30 0718 20.1s 43.05S 171.46E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.1s 11ph/8stn Dmin 59km Az.gap 104°
Corr. -0.338 34M/28stn Msd 0.2 1↑ 2↓

94/21947
SEP 30 1323 35.1s 36.78S 177.22E 154km M=3.6
0.9 0.05 0.07 10
Rsd 0.2s 16ph/11stn Dmin 112km Az.gap 301°
Corr. -0.052 8M/6stn Msd 0.4 1↓

94/21954
SEP 30 1616 44.4s 35.23S 178.18E 163km M=3.6
0.4 0.06 0.07 12
Rsd 0.1s 14ph/12stn Dmin 263km Az.gap 343°
Corr. -0.639 8M/8stn Msd 0.3

94/21964
SEP 30 1918 31.2s 37.76S 176.35E 180km M=3.8
0.3 0.02 0.02 3
Rsd 0.2s 35ph/29stn Dmin 87km Az.gap 112°
Corr. 0.189 14M/7stn Msd 0.2 1↓

94/21965
SEP 30 1927 23.3s 37.54S 177.51E 61km M=3.5
0.2 0.02 0.02 3
Rsd 0.3s 26ph/21stn Dmin 33km Az.gap 155°
Corr. -0.175 18M/10stn Msd 0.1 7↑ 1↓

94/21972
OCT 01 0224 12.4s 36.08S 177.03E 230km M=4.4
0.5 0.04 0.06 7
Rsd 0.3s 37ph/27stn Dmin 187km Az.gap 291°
Corr. -0.417 15M/8stn Msd 0.1 3↑ 1↓

94/21988
OCT 01 1103 51.2s 35.06S 178.39E 33km M=4.3
0.4 0.03 0.04 R
Rsd 0.1s 24ph/19stn Dmin 280km Az.gap 340°
Corr. -0.296 15M/11stn Msd 0.2 1↑

94/22006
OCT 01 1539 14.2s 45.50S 166.76E 12km M=3.8
0.1 0.00 0.00 R
Rsd 0.0s 15ph/12stn Dmin 31km Az.gap 318°
Corr. -0.106 23M/17stn Msd 0.1 1↓

94/22009
OCT 01 1834 03.8s 45.49S 166.77E 12km M=4.6
0.2 0.01 0.01 1
Rsd 0.1s 14ph/12stn Dmin 30km Az.gap 248°
Corr. -0.384 10M/5stn Msd 0.2 1↓

94/22010
OCT 01 1926 38.9s 40.45S 174.36E 90km M=3.5
0.2 0.01 0.01 2
Rsd 0.1s 19ph/14stn Dmin 54km Az.gap 159°
Corr. -0.133 9M/9stn Msd 0.2 1↑

94/22016
OCT 02 0221 44.9s 35.65S 178.24E 198km M=3.9
0.3 0.07 0.08 8
Rsd 0.1s 16ph/13stn Dmin 213km Az.gap 345°
Corr. -0.736 7M/6stn Msd 0.3 1↓

94/22019
OCT 02 0508 27.1s 36.99S 176.94E 158km M=3.8
0.5 0.06 0.09 6
Rsd 0.1s 10ph/6stn Dmin 112km Az.gap 322°
Corr. -0.026 1M/1stn Msd 0.0

94/22026
OCT 02 0952 55.0s 38.10S 175.85E 263km M=3.9
0.8 0.11 0.14 12
Rsd 0.2s 12ph/10stn Dmin 143km Az.gap 257°
Corr. -0.919 6M/6stn Msd 0.7 1↓

94/22032
OCT 02 1313 34.2s 38.37S 175.36E 105km M=3.5
0.5 0.07 0.10 21
Rsd 0.1s 16ph/12stn Dmin 157km Az.gap 236°
Corr. -0.926 13M/13stn Msd 0.3 1↓

94/22042
OCT 03 0038 22.1s 37.15S 177.10E 126km M=3.6
0.3 0.03 0.03 4
Rsd 0.2s 26ph/18stn Dmin 90km Az.gap 296°
Corr. -0.507 15M/11stn Msd 0.2 5↑ 2↓

94/22059
OCT 03 0545 33.9s 36.76S 177.03E 12km M=3.9
0.3 0.03 0.02 R
Rsd 0.2s 11ph/7stn Dmin 117km Az.gap 226°
Corr. 0.878 14M/7stn Msd 0.1

94/22075
OCT 03 1012 02.9s 39.38S 176.86E 56km M=3.9
0.1 0.01 0.01 2
Rsd 0.3s 55ph/48stn Dmin 18km Az.gap 100°
Corr. -0.534 25M/13stn Msd 0.2 1↑ 10↓
Felt Patoka (52) MM4 and Napier(60).

94/22081
OCT 03 1252 28.9s 35.12S 178.81E 236km M=3.8
0.4 0.10 0.07 13
Rsd 0.1s 15ph/13stn Dmin 280km Az.gap 346°
Corr. -0.544 5M/5stn Msd 0.2 1↓

94/22100
OCT 03 1810 47.6s 38.02S 176.38E 145km M=4.0
0.2 0.01 0.01 2
Rsd 0.3s 57ph/42stn Dmin 70km Az.gap 94°
Corr. -0.296 29M/15stn Msd 0.1 14↑ 1↓

94/22133
OCT 04 1105 47.8s 38.42S 176.21E 12km M=3.6
0.2 0.02 0.01 R
Rsd 0.5s 27ph/24stn Dmin 81km Az.gap 106°
Corr. -0.297 10M/5stn Msd 0.4 3↑ 2↓
Felt Reporoa (33) MM4.

94/22171
OCT 05 0657 42.0s 38.25S 179.06E 26km M=3.8
0.3 0.01 0.02 2
Rsd 0.3s 31ph/21stn Dmin 64km Az.gap 282°
Corr. -0.152 21M/12stn Msd 0.2 1↑ 3↓

94/22176
OCT 05 0838 24.3s 37.58S 176.41E 182km M=4.2
0.3 0.02 0.01 3
Rsd 0.3s 52ph/39stn Dmin 79km Az.gap 136°
Corr. -0.412 32M/17stn Msd 0.1 5↑ 1↓

94/22185
OCT 05 1155 03.1s 38.09S 178.86E 44km M=3.7
0.2 0.01 0.02 3
Rsd 0.3s 44ph/31stn Dmin 48km Az.gap 254°
Corr. 0.058 27M/14stn Msd 0.2 14↑ 3↓

94/22189
OCT 05 1408 08.6s 37.11S 177.44E 128km M=4.3
0.2 0.02 0.01 2
Rsd 0.2s 49ph/34stn Dmin 72km Az.gap 201°
Corr. 0.319 34M/17stn Msd 0.2 5↑ 2↓

94/22192
OCT 05 1514 06.8s 36.50S 177.18E 33km M=3.9
0.5 0.04 0.02 R
Rsd 0.4s 8ph/5stn Dmin 133km Az.gap 250°
Corr. 0.597 11M/7stn Msd 0.2 1↑

94/22194
OCT 05 1605 03.9s 41.41S 174.87E 47km M=3.5
0.1 0.01 0.01 1
Rsd 0.2s 32ph/23stn Dmin 17km Az.gap 124°
Corr. -0.426 18M/15stn Msd 0.2 6↑ 8↓

94/22205
OCT 05 1907 43.1s 38.38S 175.91E 156km M=3.6
0.6 0.04 0.02 5
Rsd 0.3s 20ph/17stn Dmin 76km Az.gap 227°
Corr. -0.689 24M/20stn Msd 0.3 1↑ 1↓

94/22222
OCT 06 0206 22.0s 36.76S 176.75E 199km M=3.7
0.7 0.05 0.05 7
Rsd 0.2s 26ph/22stn Dmin 143km Az.gap 281°
Corr. -0.205 18M/16stn Msd 0.2 1↓

94/22236
OCT 06 0700 13.1s 36.62S 177.11E 12km M=4.2
0.5 0.04 0.02 R
Rsd 0.3s 9ph/6stn Dmin 125km Az.gap 240°
Corr. 0.701 12M/6stn Msd 0.2

94/22237
OCT 06 0715 09.6s 36.83S 177.38E 140km M=3.6
0.2 0.02 0.03 3
Rsd 0.2s 36ph/25stn Dmin 98km Az.gap 290°
Corr. -0.274 18M/16stn Msd 0.2 1↑

94/22241
OCT 06 0741 58.6s 38.12S 176.18E 145km M=3.9
0.2 0.01 0.01 2
Rsd 0.2s 60ph/42stn Dmin 83km Az.gap 216°
Corr. -0.695 22M/13stn Msd 0.2 8↑ 2↓

94/22262
OCT 06 1653 27.4s 45.09S 167.35E 116km M=4.0
0.3 0.02 0.01 2
Rsd 0.2s 20ph/16stn Dmin 45km Az.gap 206°
Corr. -0.328 24M/18stn Msd 0.2 1↑ 11↓

94/22288
OCT 07 0202 20.7s 41.09S 175.01E 20km M=3.3
0.1 0.01 0.01 2
Rsd 0.3s 24ph/20stn Dmin 6km Az.gap 54°
Corr. -0.313 21M/18stn Msd 0.2 4↑ 2↓
Felt Hutt Valley (68,69), maximum intensity MM5.

94/22298
OCT 07 0843 11.9s 36.89S 177.98E 33km M=3.5
0.9 0.06 0.04 R
Rsd 0.3s 22ph/21stn Dmin 74km Az.gap 308°
Corr. -0.040 8M/4stn Msd 0.1 1↑ 1↓

94/22307
OCT 07 1147 09.9s 45.09S 167.48E 89km M=4.8
0.3 0.02 0.02 3
Rsd 0.1s 18ph/14stn Dmin 49km Az.gap 181°
Corr. -0.358 12M/6stn Msd 0.1 2↑ 2↓

94/22309
OCT 07 1248 58.7s 39.91S 175.21E 12km M=4.9
0.1 0.01 0.01 R
Rsd 0.2s 44ph/39stn Dmin 27km Az.gap 52°
Corr. -0.204 49M/25stn Msd 0.2 12↑ 5↓
Felt Taranaki to Wellington, maximum intensity MM4.

94/22311
OCT 07 1254 22.3s 35.64S 179.20E 198km M=5.8
0.5 0.03 0.03 6
Rsd 0.2s 47ph/36stn Dmin 232km Az.gap 280°
Corr. 0.522 42M/21stn Msd 0.1 2↑ 14↓

94/22312
OCT 07 1303 46.7s 37.94S 176.12E 175km M=4.7
0.3 0.02 0.01 3
Rsd 0.3s 60ph/44stn Dmin 47km Az.gap 91°
Corr. -0.436 40M/20stn Msd 0.2 5↑ 3↓

94/22356
OCT 08 0533 15.4s 39.88S 175.16E 12km M=4.1
0.1 0.00 0.01 R
Rsd 0.3s 32ph/28stn Dmin 21km Az.gap 79°
Corr. -0.390 9M/5stn Msd 0.4 4↑ 3↓
Felt Marton (61) MM4.

94/22384
OCT 08 1850 46.0s 37.61S 175.22E 239km M=3.8
0.4 0.05 0.07 9
Rsd 0.2s 30ph/24stn Dmin 201km Az.gap 240°
Corr. -0.918 19M/18stn Msd 0.2

94/22441
OCT 09 1723 59.1s 36.10S 178.27E 204km M=3.8
0.5 0.06 0.10 6
Rsd 0.1s 19ph/17stn Dmin 166km Az.gap 331°
Corr. -0.119 8M/7stn Msd 0.2 1↓

94/22473
OCT 10 0656 44.4s 37.63S 176.17E 12km M=3.6
0.7 0.10 0.05 R
Rsd 0.3s 8ph/5stn Dmin 129km Az.gap 339°
Corr. 0.500 6M/4stn Msd 0.2

94/22481
OCT 10 0922 58.2s 37.28S 176.31E 197km M=4.0
0.3 0.03 0.03 4
Rsd 0.1s 36ph/26stn Dmin 128km Az.gap 260°
Corr. -0.304 11M/8stn Msd 0.2 1↑ 1↓

94/22485
OCT 10 1132 04.2s 38.61S 175.84E 147km M=4.1
0.2 0.01 0.01 2
Rsd 0.2s 55ph/37stn Dmin 51km Az.gap 126°
Corr. -0.273 12M/7stn Msd 0.2 3↑ 2↓

94/22522
OCT 11 0631 59.3s 37.99S 175.74E 12km M=3.6
0.8 0.05 0.03 R
Rsd 0.4s 11ph/5stn Dmin 150km Az.gap 299°
Corr. -0.268 2M/2stn Msd 0.0 1↑
Depth uncertain.

94/22545
OCT 11 1943 30.8s 38.42S 175.98E 157km M=4.4
0.3 0.01 0.01 3
Rsd 0.2s 66ph/49stn Dmin 24km Az.gap 91°
Corr. -0.399 38M/20stn Msd 0.3 3↑ 4↓

94/22553
OCT 12 0000 30.6s 36.40S 177.08E 225km M=3.9
0.5 0.08 0.11 8
Rsd 0.1s 5ph/4stn Dmin 168km Az.gap 345°
Corr. -0.083 2M/1stn Msd 0.1

94/22555
OCT 12 0208 40.3s 35.14S 178.69E 147km M=4.1
0.5 0.06 0.08 22
Rsd 0.1s 15ph/11stn Dmin 276km Az.gap 349°
Corr. -0.654 10M/9stn Msd 0.2 1↓

94/22556
OCT 12 0313 50.9s 38.19S 176.23E 155km M=3.7
0.3 0.02 0.01 3
Rsd 0.3s 28ph/22stn Dmin 66km Az.gap 136°
Corr. -0.287 8M/4stn Msd 0.2 1↑

94/22566
OCT 12 1242 49.8s 36.25S 179.68E 12km M=3.8
0.6 0.05 0.06 R
Rsd 0.2s 20ph/18stn Dmin 193km Az.gap 341°
Corr. -0.429 14M/13stn Msd 0.3

94/22585
OCT 13 0122 10.7s 43.00S 171.40E 5km M=3.9
0.1 0.01 0.01 R
Rsd 0.1s 14ph/10stn Dmin 55km Az.gap 112°
Corr. -0.243 35M/30stn Msd 0.3 1↑ 1↓

94/22602
OCT 13 1049 08.7s 41.13S 173.60E 87km M=3.8
0.3 0.02 0.01 3
Rsd 0.2s 26ph/21stn Dmin 45km Az.gap 123°
Corr. -0.630 19M/18stn Msd 0.3 1↓

94/22604
OCT 13 1102 19.9s 41.09S 173.57E 84km M=3.5
0.4 0.02 0.02 4
Rsd 0.2s 26ph/20stn Dmin 44km Az.gap 152°
Corr. -0.687 15M/14stn Msd 0.3

94/22612
OCT 13 1447 54.6s 37.68S 175.86E 12km M=3.8
0.5 0.03 0.02 R
Rsd 0.1s 17ph/13stn Dmin 155km Az.gap 254°
Corr. -0.490 8M/8stn Msd 0.3 1↑

94/22623
OCT 13 2029 01.8s 40.14S 174.96E 19km M=3.3
0.2 0.01 0.01 3
Rsd 0.5s 32ph/26stn Dmin 38km Az.gap 85°
Corr. -0.102 25M/21stn Msd 0.2 3↑ 1↓
Felt Okoia (57).

94/22629
OCT 14 0150 07.7s 36.46S 177.82E 12km M=3.5
0.4 0.02 0.04 R
Rsd 0.1s 9ph/6stn Dmin 144km Az.gap 339°
Corr. 0.138 3M/3stn Msd 0.2 1↓

94/22634
OCT 14 0348 08.9s 39.84S 174.07E 237km M=3.9
0.3 0.01 0.02 3
Rsd 0.1s 26ph/22stn Dmin 108km Az.gap 194°
Corr. -0.490 14M/13stn Msd 0.3 1↑

94/22637
OCT 14 0452 29.0s 38.35S 175.71E 157km M=3.5
0.7 0.05 0.06 5
Rsd 0.2s 20ph/19stn Dmin 123km Az.gap 253°
Corr. -0.851 14M/11stn Msd 0.2 1↑

94/22639
OCT 14 0507 28.6s 38.17S 175.99E 171km M=3.7
0.4 0.03 0.02 4
Rsd 0.2s 23ph/22stn Dmin 99km Az.gap 231°
Corr. -0.765 18M/16stn Msd 0.2 1↑ 2↓

94/22651
OCT 14 1700 59.8s 37.42S 176.60E 194km M=4.6
0.3 0.02 0.01 3
Rsd 0.2s 46ph/39stn Dmin 99km Az.gap 144°
Corr. 0.285 39M/20stn Msd 0.1 3↑ 3↓

94/22660
OCT 14 2339 24.5s 37.05S 176.34E 207km M=3.6
0.9 0.09 0.11 11
Rsd 0.3s 10ph/9stn Dmin 145km Az.gap 275°
Corr. -0.765 4M/3stn Msd 0.3

94/22662
OCT 15 0106 43.2s 38.64S 175.63E 155km M=3.6
1.0 0.17 0.23 29
Rsd 0.4s 9ph/7stn Dmin 126km Az.gap 268°
Corr. -0.973 4M/3stn Msd 0.1

94/22675
OCT 15 1019 41.6s 36.34S 178.12E 12km M=3.6
0.9 0.06 0.06 R
Rsd 0.2s 15ph/11stn Dmin 140km Az.gap 333°
Corr. -0.075 11M/7stn Msd 0.3 1↓

94/22683
OCT 15 1503 03.7s 36.97S 177.45E 133km M=3.6
0.4 0.03 0.03 3
Rsd 0.2s 25ph/20stn Dmin 92km Az.gap 298°
Corr. -0.433 14M/12stn Msd 0.4 1↑ 2↓

94/22689
OCT 15 1824 28.8s 36.50S 177.62E 167km M=3.6
0.5 0.06 0.08 7
Rsd 0.1s 9ph/7stn Dmin 136km Az.gap 333°
Corr. -0.488 4M/3stn Msd 0.3

94/22695
OCT 15 2034 09.5s 37.98S 175.83E 107km M=3.6
0.4 0.03 0.04 8
Rsd 0.1s 16ph/13stn Dmin 142km Az.gap 245°
Corr. -0.688 12M/11stn Msd 0.2

94/22702
OCT 16 0012 42.6s 38.29S 175.99E 162km M=3.7
0.3 0.03 0.01 3
Rsd 0.2s 21ph/16stn Dmin 88km Az.gap 239°
Corr. -0.565 16M/14stn Msd 0.2 1↑

94/22717
OCT 16 0854 41.4s 35.29S 178.86E 179km M=3.7
0.5 0.10 0.08 26
Rsd 0.1s 12ph/10stn Dmin 277km Az.gap 349°
Corr. 0.182 6M/6stn Msd 0.3 1↓

94/22718
OCT 16 0938 52.0s 36.97S 176.54E 295km M=3.7
1.1 0.10 0.11 14
Rsd 0.2s 17ph/16stn Dmin 138km Az.gap 290°
Corr. -0.508 11M/11stn Msd 0.3 1↓

94/22724
OCT 16 1016 47.1s 41.09S 173.14E 150km M=3.6
0.4 0.03 0.02 4
Rsd 0.3s 27ph/20stn Dmin 73km Az.gap 187°
Corr. -0.580 10M/10stn Msd 0.3 1↑

94/22732
OCT 16 1304 27.9s 39.47S 175.68E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 40ph/36stn Dmin 22km Az.gap 57°
Corr. 0.097 8M/4stn Msd 0.2 2↑ 1↓

94/22740
OCT 16 1608 24.9s 40.22S 173.59E 164km M=5.3
0.3 0.01 0.01 3
Rsd 0.2s 38ph/32stn Dmin 70km Az.gap 127°
Corr. -0.213 42M/21stn Msd 0.2 7↑ 13↓
Felt Taranaki to Nelson.

94/22743
OCT 16 1641 42.5s 38.16S 176.26E 209km M=3.6
0.7 0.03 0.03 6
Rsd 0.2s 18ph/15stn Dmin 127km Az.gap 282°
Corr. -0.506 6M/6stn Msd 0.2 1↓

94/22804
OCT 18 1855 41.3s 37.62S 176.49E 214km M=3.6
0.5 0.04 0.06 7
Rsd 0.2s 19ph/18stn Dmin 94km Az.gap 256°
Corr. -0.578 11M/11stn Msd 0.3 1↓

94/22810
OCT 18 2055 25.8s 36.92S 179.46E 87km M=5.4
0.4 0.04 0.04 7
Rsd 0.1s 33ph/23stn Dmin 124km Az.gap 280°
Corr. 0.260 35M/18stn Msd 0.3 5↑ 6↓

94/22811
OCT 18 2149 36.2s 42.98S 171.42E 5km M=3.8
0.2 0.01 0.01 R
Rsd 0.3s 14ph/9stn Dmin 57km Az.gap 114°
Corr. -0.396 23M/19stn Msd 0.3 1↑ 1↓
Felt Arthur's Pass (93) MM4.

94/22814
OCT 19 0010 19.0s 37.15S 179.62E 75km M=3.8
0.4 0.04 0.04 10
Rsd 0.1s 24ph/18stn Dmin 118km Az.gap 333°
Corr. 0.036 13M/7stn Msd 0.1 1↑ 1↓

94/22819
OCT 19 0455 48.6s 38.29S 175.82E 144km M=3.8
0.4 0.03 0.03 4
Rsd 0.2s 29ph/21stn Dmin 91km Az.gap 221°
Corr. -0.684 27M/23stn Msd 0.3 1↑

94/22821
OCT 19 0623 13.7s 36.93S 179.46E 74km M=3.5
0.6 0.06 0.07 18
Rsd 0.2s 16ph/11stn Dmin 123km Az.gap 335°
Corr. 0.308 12M/9stn Msd 0.2

94/22822
OCT 19 0625 31.8s 37.07S 179.46E 12km M=4.2
0.5 0.05 0.04 R
Rsd 0.2s 24ph/15stn Dmin 113km Az.gap 289°
Corr. -0.516 22M/12stn Msd 0.3 1↑

94/22824
OCT 19 0806 48.5s 37.06S 179.82E 33km M=3.6
0.6 0.05 0.05 R
Rsd 0.1s 13ph/8stn Dmin 139km Az.gap 339°
Corr. -0.514 5M/4stn Msd 0.2 1↑

94/22826
OCT 19 0835 13.8s 37.11S 179.49E 12km M=3.5
0.5 0.03 0.03 R
Rsd 0.2s 12ph/7stn Dmin 119km Az.gap 334°
Corr. -0.235 4M/4stn Msd 0.2

94/22828
OCT 19 0955 56.3s 41.70S 174.13E 37km M=3.6
0.1 0.01 0.01 3
Rsd 0.2s 26ph/20stn Dmin 9km Az.gap 82°
Corr. -0.464 13M/11stn Msd 0.3 2↑ 2↓

94/22837
OCT 19 1429 23.0s 37.88S 179.74E 12km M=3.8
0.4 0.03 0.03 R
Rsd 0.3s 26ph/17stn Dmin 112km Az.gap 301°
Corr. 0.256 18M/10stn Msd 0.2 1↓

94/22844
OCT 19 1919 21.5s 42.62S 174.62W 340km M=4.3
1.3 0.11 0.13 52
Rsd 0.4s 35ph/33stn Dmin 738km Az.gap 322°
Corr. -0.496 13M/13stn Msd 0.5 1↑

94/22846
OCT 19 2202 42.0s 38.99S 178.02E 30km M=4.1
0.2 0.01 0.01 1
Rsd 0.2s 49ph/35stn Dmin 13km Az.gap 197°
Corr. -0.619 30M/15stn Msd 0.2 6↑ 10↓

94/22863
OCT 20 0700 38.1s 37.07S 179.50E 72km M=3.9
0.4 0.04 0.03 7
Rsd 0.1s 29ph/21stn Dmin 115km Az.gap 296°
Corr. -0.145 17M/9stn Msd 0.1 1↑ 1↓

94/22892
OCT 20 1738 11.6s 38.17S 176.34E 157km M=3.8
0.4 0.02 0.01 4
Rsd 0.3s 39ph/33stn Dmin 74km Az.gap 89°
Corr. -0.170 35M/28stn Msd 0.3 3↑ 1↓

94/22917
OCT 21 0539 35.1s 38.17S 176.11E 209km M=3.6
0.9 0.04 0.05 9
Rsd 0.3s 19ph/17stn Dmin 120km Az.gap 230°
Corr. -0.823 3M/3stn Msd 0.4 1↑ 1↓

94/22933
OCT 21 1024 28.3s 35.87S 177.66E 248km M=3.9
0.4 0.05 0.06 5
Rsd 0.1s 25ph/20stn Dmin 200km Az.gap 326°
Corr. -0.645 14M/13stn Msd 0.3 1↓

94/22935
OCT 21 1315 31.8s 42.88S 173.05E 33km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 20ph/14stn Dmin 64km Az.gap 150°
Corr. -0.275 26M/19stn Msd 0.2 2↑ 2↓

94/22946
OCT 21 1727 24.5s 35.37S 178.68E 226km M=3.9
0.3 0.05 0.04 7
Rsd 0.1s 12ph/10stn Dmin 261km Az.gap 344°
Corr. -0.579 6M/5stn Msd 0.3

94/22981
OCT 22 0728 11.8s 38.27S 175.84E 160km M=3.8
0.3 0.02 0.01 3
Rsd 0.2s 40ph/34stn Dmin 86km Az.gap 179°
Corr. -0.489 36M/29stn Msd 0.2 1↑ 4↓

94/22987
OCT 22 1015 45.1s 35.66S 177.32E 296km M=4.1
0.3 0.04 0.06 5
Rsd 0.2s 34ph/26stn Dmin 220km Az.gap 326°
Corr. -0.557 40M/34stn Msd 0.3 1↓

94/23030
OCT 23 0423 24.4s 38.11S 176.40E 160km M=4.1
0.3 0.02 0.01 3
Rsd 0.3s 63ph/47stn Dmin 9km Az.gap 69°
Corr. -0.323 29M/15stn Msd 0.2 4↑ 1↓

94/23034
OCT 23 0737 00.0s 37.85S 176.36E 162km M=3.8
0.3 0.02 0.01 3
Rsd 0.2s 42ph/37stn Dmin 68km Az.gap 170°
Corr. -0.387 16M/9stn Msd 0.2 1↑

94/23046
OCT 23 1100 15.2s 37.74S 179.37E 23km M=4.1
0.3 0.01 0.02 2
Rsd 0.2s 37ph/28stn Dmin 78km Az.gap 298°
Corr. 0.229 30M/15stn Msd 0.3 3↑ 2↓

94/23066
OCT 23 1647 27.8s 37.65S 177.34E 60km M=3.5
0.3 0.02 0.02 2
Rsd 0.3s 44ph/30stn Dmin 34km Az.gap 214°
Corr. -0.552 22M/13stn Msd 0.1 9↑ 1↓

94/23075
OCT 23 1932 33.8s 41.14S 174.61E 59km M=3.6
0.1 0.01 0.01 1
Rsd 0.2s 32ph/26stn Dmin 13km Az.gap 61°
Corr. -0.272 18M/15stn Msd 0.2 3↑ 2↓

94/23077
OCT 23 1952 47.3s 45.02S 167.46E 88km M=3.8
0.4 0.02 0.02 4
Rsd 0.2s 20ph/16stn Dmin 55km Az.gap 200°
Corr. -0.310 25M/18stn Msd 0.2

94/23107
OCT 24 0830 02.2s 35.26S 178.97E 287km M=4.2
0.4 0.09 0.11 13
Rsd 0.1s 12ph/10stn Dmin 283km Az.gap 342°
Corr. 0.342 13M/9stn Msd 0.3

94/23136
OCT 24 1909 11.6s 38.63S 175.26E 228km M=4.4
0.3 0.02 0.01 2
Rsd 0.2s 39ph/32stn Dmin 42km Az.gap 70°
Corr. -0.021 29M/15stn Msd 0.2 9↑ 7↓

94/23139
OCT 24 2241 42.2s 36.59S 177.58E 192km M=4.8
0.4 0.04 0.03 4
Rsd 0.2s 42ph/34stn Dmin 110km Az.gap 225°
Corr. 0.357 40M/20stn Msd 0.3 5↑ 1↓

94/23141
OCT 25 0058 54.1s 37.11S 176.81E 230km M=4.8
0.4 0.03 0.02 3
Rsd 0.3s 58ph/48stn Dmin 57km Az.gap 168°
Corr. 0.207 44M/22stn Msd 0.1 2↑ 8↓

94/23161
OCT 25 0732 40.1s 39.50S 174.30E 252km M=3.9
0.5 0.02 0.04 4
Rsd 0.2s 28ph/24stn Dmin 64km Az.gap 203°
Corr. -0.550 19M/17stn Msd 0.3

94/23171
OCT 25 1419 01.8s 36.46S 176.41E 249km M=4.1
0.6 0.12 0.10 13
Rsd 0.1s 23ph/19stn Dmin 188km Az.gap 274°
Corr. -0.648 37M/33stn Msd 0.2 1↓

94/23172
OCT 25 1430 04.8s 45.12S 167.58E 108km M=4.3
0.5 0.04 0.02 5
Rsd 0.3s 20ph/14stn Dmin 51km Az.gap 180°
Corr. -0.389 8M/4stn Msd 0.3 1↓

94/23173
OCT 25 1430 48.6s 40.46S 173.70E 118km M=3.8
0.3 0.01 0.01 4
Rsd 0.2s 31ph/24stn Dmin 43km Az.gap 142°
Corr. -0.182 13M/12stn Msd 0.2 2↑ 2↓

94/23176
OCT 25 1529 32.9s 36.14S 178.14E 126km M=3.8
0.6 0.11 0.11 18
Rsd 0.1s 16ph/12stn Dmin 158km Az.gap 333°
Corr. -0.499 14M/10stn Msd 0.2 1↓

94/23188
OCT 26 0235 33.6s 37.51S 176.37E 12km M=3.7
0.4 0.03 0.02 R
Rsd 0.2s 10ph/6stn Dmin 109km Az.gap 312°
Corr. -0.151 6M/4stn Msd 0.1

94/23189
OCT 26 0512 50.2s 41.68S 174.12E 57km M=3.6
0.1 0.01 0.01 2
Rsd 0.2s 27ph/19stn Dmin 11km Az.gap 83°
Corr. -0.631 15M/12stn Msd 0.2 1↓

94/23201
OCT 26 0906 16.2s 38.70S 175.87E 166km M=3.5
0.3 0.02 0.03 3
Rsd 0.1s 19ph/16stn Dmin 66km Az.gap 294°
Corr. -0.474 8M/8stn Msd 0.2

94/23222
OCT 26 1630 51.4s 38.75S 175.83E 125km M=4.7
0.3 0.01 0.01 3
Rsd 0.2s 68ph/58stn Dmin 27km Az.gap 45°
Corr. -0.333 44M/22stn Msd 0.2 6↑ 3↓

94/23223
OCT 26 1632 48.8s 38.83S 175.21E 213km M=4.4
0.3 0.02 0.01 3
Rsd 0.2s 52ph/37stn Dmin 28km Az.gap 72°
Corr. -0.030 16M/13stn Msd 0.3

94/23227
OCT 26 1821 37.3s 36.57S 179.03E 12km M=3.8
0.5 0.03 0.05 R
Rsd 0.2s 7ph/5stn Dmin 136km Az.gap 340°
Corr. -0.359 9M/5stn Msd 0.1 1↓

94/23240
OCT 26 2320 58.9s 36.12S 177.37E 12km M=4.1
0.4 0.02 0.07 R
Rsd 0.2s 7ph/4stn Dmin 170km Az.gap 345°
Corr. 0.146 3M/3stn Msd 0.1

94/23242
OCT 27 0003 09.3s 38.23S 179.03E 24km M=3.5
0.2 0.01 0.01 2
Rsd 0.1s 17ph/11stn Dmin 70km Az.gap 309°
Corr. -0.194 9M/5stn Msd 0.2 1↓

94/23269
OCT 27 1530 57.0s 38.15S 179.07E 28km M=3.5
0.4 0.02 0.03 2
Rsd 0.3s 26ph/18stn Dmin 67km Az.gap 287°
Corr. -0.269 10M/6stn Msd 0.2 2↑ 1↓

94/23289
OCT 27 2129 04.8s 39.69S 174.20E 185km M=5.0
0.5 0.01 0.02 4
Rsd 0.3s 46ph/41stn Dmin 38km Az.gap 109°
Corr. -0.328 42M/21stn Msd 0.2 8↑ 1↓

94/23292
OCT 27 2148 06.4s 40.15S 176.89E 55km M=4.1
0.1 0.01 0.01 2
Rsd 0.2s 66ph/52stn Dmin 54km Az.gap 177°
Corr. -0.661 22M/11stn Msd 0.2 8↑ 2↓

94/23294
OCT 27 2249 42.4s 37.94S 175.40E 247km M=3.7
0.5 0.10 0.07 7
Rsd 0.1s 16ph/13stn Dmin 140km Az.gap 229°
Corr. -0.796 20M/18stn Msd 0.2

94/23295
OCT 27 2312 45.0s 36.45S 177.14E 33km M=3.8
1.3 0.08 0.13 R
Rsd 0.5s 7ph/5stn Dmin 146km Az.gap 340°
Corr. 0.036 4M/4stn Msd 0.2

94/23318
OCT 28 1049 45.7s 36.95S 177.03E 197km M=4.5
0.3 0.02 0.02 3
Rsd 0.3s 58ph/43stn Dmin 65km Az.gap 189°
Corr. 0.214 38M/20stn Msd 0.1 2↑

94/23338
OCT 28 1949 41.5s 34.78S 179.20E 261km M=4.1
0.3 0.07 0.06 13
Rsd 0.1s 16ph/13stn Dmin 327km Az.gap 348°
Corr. 0.261 8M/7stn Msd 0.2 1↓

94/23369
OCT 29 0812 10.6s 40.29S 173.70E 229km M=3.6
0.3 0.04 0.02 3
Rsd 0.2s 20ph/16stn Dmin 60km Az.gap 241°
Corr. -0.544 10M/10stn Msd 0.2 1↑

94/23372
OCT 29 0851 17.9s 37.62S 175.77E 252km M=4.3
0.2 0.03 0.02 2
Rsd 0.1s 62ph/41stn Dmin 137km Az.gap 229°
Corr. -0.816 24M/13stn Msd 0.2 1↑

94/23387
OCT 29 1706 40.2s 36.94S 177.22E 170km M=4.0
0.2 0.03 0.02 3
Rsd 0.2s 38ph/26stn Dmin 99km Az.gap 284°
Corr. -0.308 16M/9stn Msd 0.2 1↑

94/23396
OCT 29 2051 33.7s 38.68S 178.06E 30km M=3.8
0.1 0.01 0.01 1
Rsd 0.3s 33ph/28stn Dmin 7km Az.gap 163°
Corr. -0.581 32M/16stn Msd 0.3 12↑ 2↓

94/23401
OCT 29 2217 07.3s 38.52S 177.81E 33km M=3.8
0.1 0.01 0.01 1
Rsd 0.2s 34ph/28stn Dmin 22km Az.gap 48°
Corr. -0.367 34M/17stn Msd 0.2 3↑ 6↓

94/23402
OCT 29 2244 23.8s 45.63S 167.00E 113km M=4.0
0.3 0.01 0.02 2
Rsd 0.1s 17ph/14stn Dmin 22km Az.gap 245°
Corr. -0.177 25M/19stn Msd 0.3 1↑ 2↓

94/23422
OCT 30 0823 05.6s 44.72S 167.31E 21km M=4.4
0.3 0.02 0.04 4
Rsd 0.2s 16ph/12stn Dmin 84km Az.gap 221°
Corr. -0.601 9M/5stn Msd 0.1
Felt Te Anau Downs (130) MM4.

94/23439
OCT 30 1254 18.2s 41.57S 175.45E 23km M=4.6
0.3 0.01 0.01 1
Rsd 0.2s 24ph/21stn Dmin 22km Az.gap 180°
Corr. -0.596 28M/16stn Msd 0.2 6↑ 6↓
Felt Wellington, Hutt Valley and southern Wairarapa, maximum intensity MM5 at Homeburn Stn (69).

94/23440
OCT 30 1302 42.1s 41.54S 175.40E 24km M=3.8
0.2 0.02 0.01 1
Rsd 0.3s 30ph/23stn Dmin 18km Az.gap 173°
Corr. -0.456 33M/28stn Msd 0.3 2↑ 3↓
Felt Lower Hutt (68) MM4.

94/23452
OCT 30 1819 29.1s 36.35S 177.71E 12km M=3.6
0.4 0.03 0.05 R
Rsd 0.1s 11ph/7stn Dmin 138km Az.gap 342°
Corr. 0.071 6M/5stn Msd 0.2 1↓

94/23469
OCT 31 0700 56.1s 37.03S 179.20E 12km M=3.5
0.7 0.05 0.05 R
Rsd 0.3s 24ph/19stn Dmin 102km Az.gap 330°
Corr. -0.383 21M/15stn Msd 0.2 2↑ 2↓

94/23471
OCT 31 0737 26.7s 36.83S 179.26E 33km M=4.4
0.8 0.05 0.06 R
Rsd 0.3s 29ph/24stn Dmin 120km Az.gap 283°
Corr. -0.115 30M/16stn Msd 0.2 2↑ 2↓

94/23478
OCT 31 1051 09.1s 39.55S 177.33E 30km M=3.8
0.2 0.01 0.01 1
Rsd 0.2s 49ph/44stn Dmin 40km Az.gap 167°
Corr. -0.629 25M/13stn Msd 0.2 3↑ 4↓

94/23488
OCT 31 1511 32.8s 37.87S 176.27E 195km M=3.7
0.4 0.03 0.02 4
Rsd 0.3s 27ph/24stn Dmin 59km Az.gap 169°
Corr. -0.299 23M/19stn Msd 0.1 1↑ 2↓

94/23489
OCT 31 1844 02.2s 42.37S 173.05E 5km M=4.4
0.1 0.01 0.01 R
Rsd 0.2s 25ph/18stn Dmin 41km Az.gap 103°
Corr. 0.076 19M/10stn Msd 0.2 1↓

94/23503
OCT 31 2349 57.4s 39.71S 177.34E 19km M=3.6
0.3 0.01 0.01 2
Rsd 0.3s 35ph/28stn Dmin 40km Az.gap 191°
Corr. -0.635 11M/6stn Msd 0.2 1↓

94/23508
NOV 01 0108 30.6s 39.69S 177.31E 23km M=3.9
0.2 0.01 0.01 1
Rsd 0.2s 40ph/34stn Dmin 37km Az.gap 189°
Corr. -0.706 22M/11stn Msd 0.2 1↓

94/23513
NOV 01 0338 31.9s 37.31S 176.26E 193km M=3.7
0.4 0.04 0.07 6
Rsd 0.2s 15ph/12stn Dmin 130km Az.gap 270°
Corr. -0.239 9M/8stn Msd 0.2 1↑ 2↓

94/23526
NOV 01 0923 01.6s 34.45S 178.55E 12km M=4.1
0.7 0.06 0.14 R
Rsd 0.1s 5ph/4stn Dmin 364km Az.gap 352°
Corr. -0.754 2M/2stn Msd 0.4

94/23529
NOV 01 0957 35.5s 37.78S 176.59E 139km M=3.7
0.2 0.02 0.02 3
Rsd 0.2s 35ph/27stn Dmin 79km Az.gap 229°
Corr. -0.526 12M/7stn Msd 0.1 1↑ 1↓

94/23544
NOV 01 1428 20.4s 37.60S 176.25E 276km M=4.4
0.4 0.03 0.02 3
Rsd 0.2s 41ph/36stn Dmin 105km Az.gap 116°
Corr. -0.179 26M/13stn Msd 0.1 2↑ 4↓

94/23549
NOV 01 1524 58.7s 37.19S 176.24E 213km M=4.0
0.3 0.03 0.04 4
Rsd 0.1s 38ph/33stn Dmin 139km Az.gap 256°
Corr. -0.557 9M/7stn Msd 0.2 1↑

94/23563
NOV 01 1951 26.3s 36.56S 178.49E 111km M=3.5
0.2 0.27 0.28 20
Rsd 0.1s 9ph/5stn Dmin 118km Az.gap 351°
Corr. -0.993 3M/2stn Msd 0.3

94/23565
NOV 01 2047 48.1s 39.61S 174.41E 216km M=3.7
0.6 0.02 0.04 5
Rsd 0.2s 26ph/23stn Dmin 49km Az.gap 206°
Corr. -0.406 19M/19stn Msd 0.2 1↑ 1↓

94/23568
NOV 01 2335 42.2s 37.56S 179.19E 12km M=3.8
0.5 0.02 0.03 R
Rsd 0.3s 29ph/21stn Dmin 65km Az.gap 310°
Corr. 0.270 20M/11stn Msd 0.3 1↑

94/23571
NOV 02 0120 25.7s 40.43S 176.49E 42km M=3.5
0.2 0.01 0.02 2
Rsd 0.2s 31ph/24stn Dmin 28km Az.gap 183°
Corr. -0.519 15M/13stn Msd 0.2 1↑ 1↓

94/23576
NOV 02 0357 51.7s 41.47S 173.76E 57km M=3.8
0.2 0.01 0.01 3
Rsd 0.3s 26ph/21stn Dmin 6km Az.gap 111°
Corr. -0.469 18M/13stn Msd 0.3 1↑ 1↓

94/23583
NOV 02 0619 29.3s 35.50S 178.67E 208km M=3.8
0.5 0.10 0.07 13
Rsd 0.2s 19ph/16stn Dmin 236km Az.gap 344°
Corr. -0.451 12M/11stn Msd 0.3

94/23596
NOV 02 1138 09.6s 42.99S 171.39E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 15ph/9stn Dmin 54km Az.gap 115°
Corr. -0.387 34M/30stn Msd 0.4 1↑ 2↓

94/23610
NOV 02 1651 41.4s 37.01S 176.81E 255km M=4.7
0.4 0.03 0.02 3
Rsd 0.2s 62ph/46stn Dmin 66km Az.gap 173°
Corr. 0.358 36M/18stn Msd 0.1 5↑ 1↓

94/23613
NOV 02 1716 29.8s 37.29S 176.00E 281km M=4.0
0.2 0.03 0.04 4
Rsd 0.1s 36ph/30stn Dmin 150km Az.gap 245°
Corr. -0.661 30M/27stn Msd 0.3 1↑ 2↓

94/23623
NOV 02 2349 15.9s 45.83S 167.24E 6km M=4.9
0.1 0.01 0.01 1
Rsd 0.1s 17ph/14stn Dmin 40km Az.gap 201°
Corr. 0.710 12M/6stn Msd 0.1 4↑ 1↓
Felt Balfour (141) MM3 and Invercargill (149).

94/23625
NOV 03 0014 14.7s 45.82S 167.24E 6km M=4.4
0.1 0.01 0.01 1
Rsd 0.1s 19ph/14stn Dmin 40km Az.gap 200°
Corr. 0.691 8M/4stn Msd 0.1 4↑ 1↓

94/23627
NOV 03 0041 44.1s 43.01S 171.49E 5km M=3.2
0.2 0.01 0.01 R
Rsd 0.2s 13ph/9stn Dmin 62km Az.gap 107°
Corr. -0.325 21M/19stn Msd 0.2 1↑ 1↓
Felt Arthur's Pass (93) MM4.

94/23628
NOV 03 0042 10.1s 39.86S 174.26E 115km M=3.7
0.3 0.01 0.01 3
Rsd 0.2s 36ph/30stn Dmin 56km Az.gap 113°
Corr. -0.035 18M/17stn Msd 0.3 1↓

94/23629
NOV 03 0046 00.9s 45.12S 167.89E 5km M=3.9
0.1 0.01 0.01 R
Rsd 0.2s 20ph/16stn Dmin 70km Az.gap 160°
Corr. -0.669 8M/4stn Msd 0.2

94/23640
NOV 03 0611 56.6s 39.32S 176.78E 53km M=3.7
0.1 0.01 0.01 3
Rsd 0.3s 58ph/47stn Dmin 21km Az.gap 100°
Corr. -0.502 17M/9stn Msd 0.1 1↓
Felt Patoka (52) MM4.

94/23648
NOV 03 1031 36.8s 45.81S 167.24E 8km M=3.5
0.2 0.01 0.01 2
Rsd 0.1s 17ph/13stn Dmin 39km Az.gap 200°
Corr. 0.341 20M/14stn Msd 0.2 1↓

94/23680
NOV 03 2051 34.8s 36.90S 177.11E 5km M=3.5
0.3 0.03 0.02 R
Rsd 0.2s 11ph/8stn Dmin 109km Az.gap 210°
Corr. 0.821 9M/6stn Msd 0.3

94/23691
NOV 04 0055 18.2s 45.13S 167.40E 68km M=4.6
0.2 0.01 0.01 2
Rsd 0.1s 20ph/16stn Dmin 43km Az.gap 185°
Corr. -0.035 10M/5stn Msd 0.2 2↑ 9↓

94/23712
NOV 04 1334 05.4s 35.64S 179.76E 33km M=4.8
0.4 0.03 0.03 R
Rsd 0.2s 44ph/35stn Dmin 253km Az.gap 289°
Corr. -0.063 40M/20stn Msd 0.2 1↓

94/23724
NOV 04 1921 40.8s 43.05S 171.40E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.2s 14ph/9stn Dmin 54km Az.gap 106°
Corr. -0.365 25M/19stn Msd 0.2 1↑ 2↓

94/23725
NOV 04 1937 46.9s 39.31S 175.40E 9km M=3.9
0.2 0.01 0.01 2
Rsd 0.2s 33ph/31stn Dmin 15km Az.gap 54°
Corr. 0.262 8M/4stn Msd 0.1 3↑ 1↓

94/23745
NOV 05 0405 06.7s 39.17S 174.92E 220km M=3.8
0.3 0.01 0.01 3
Rsd 0.1s 32ph/29stn Dmin 54km Az.gap 156°
Corr. 0.323 20M/18stn Msd 0.3

94/23761
NOV 05 1119 57.0s 35.53S 177.68E 285km M=4.0
0.3 0.04 0.05 4
Rsd 0.1s 31ph/26stn Dmin 227km Az.gap 317°
Corr. -0.397 32M/32stn Msd 0.3 2↑ 2↓

94/23768
NOV 05 1456 29.5s 36.05S 177.90E 180km M=3.6
0.2 0.05 0.04 7
Rsd 0.1s 12ph/10stn Dmin 190km Az.gap 344°
Corr. 0.739 5M/5stn Msd 0.1 1↑

94/23779
NOV 05 2137 32.8s 40.70S 175.93E 30km M=3.6
0.1 0.01 0.01 1
Rsd 0.2s 34ph/27stn Dmin 30km Az.gap 134°
Corr. -0.547 32M/26stn Msd 0.3 1↓

94/23791
NOV 06 0437 24.9s 38.61S 176.16E 240km M=3.7
0.8 0.13 0.15 10
Rsd 0.4s 18ph/15stn Dmin 118km Az.gap 231°
Corr. -0.963 7M/7stn Msd 0.1

94/23795
NOV 06 0820 06.8s 37.61S 179.60W 12km M=3.5
0.8 0.06 0.06 R
Rsd 0.3s 11ph/8stn Dmin 185km Az.gap 329°
Corr. -0.171 4M/3stn Msd 0.4 1↓

94/23811
NOV 06 1559 34.5s 35.52S 178.65E 206km M=4.4
0.4 0.04 0.06 6
Rsd 0.2s 38ph/31stn Dmin 233km Az.gap 329°
Corr. -0.376 19M/10stn Msd 0.1 4↑ 2↓

94/23812
NOV 06 1754 39.1s 39.42S 178.73E 20km M=3.5
0.3 0.01 0.01 2
Rsd 0.1s 18ph/13stn Dmin 90km Az.gap 259°
Corr. -0.253 11M/7stn Msd 0.2

94/23814
NOV 06 2028 30.0s 37.79S 176.50E 174km M=3.7
0.5 0.04 0.05 5
Rsd 0.2s 15ph/13stn Dmin 111km Az.gap 243°
Corr. -0.316 15M/12stn Msd 0.2

94/23815
NOV 06 2126 05.1s 37.89S 176.11E 12km M=3.6
0.2 0.01 0.01 R
Rsd 0.1s 9ph/5stn Dmin 132km Az.gap 271°
Corr. -0.367 9M/6stn Msd 0.2

94/23816
NOV 06 2143 05.5s 38.64S 175.75E 160km M=3.9
0.6 0.04 0.03 7
Rsd 0.3s 15ph/11stn Dmin 115km Az.gap 247°
Corr. -0.702 19M/15stn Msd 0.3

94/23817
NOV 06 2150 39.0s 40.86S 173.50E 109km M=3.6
0.2 0.01 0.01 3
Rsd 0.3s 29ph/19stn Dmin 36km Az.gap 99°
Corr. -0.226 16M/15stn Msd 0.2 1↑ 1↓

94/23839
NOV 07 1833 39.8s 39.87S 174.81E 125km M=3.6
0.3 0.01 0.02 3
Rsd 0.2s 20ph/15stn Dmin 14km Az.gap 144°
Corr. 0.012 14M/12stn Msd 0.3

94/23844
NOV 08 0135 47.8s 39.38S 176.91E 24km M=3.8
0.1 0.01 0.01 1
Rsd 0.2s 50ph/36stn Dmin 20km Az.gap 123°
Corr. -0.526 24M/12stn Msd 0.2 1↓
Felt Napier (60).

94/23846
NOV 08 0157 12.3s 38.24S 175.98E 100km M=3.6
0.6 0.08 0.16 31
Rsd 0.3s 13ph/9stn Dmin 116km Az.gap 263°
Corr. -0.960 14M/8stn Msd 0.2 1↑

94/23855
NOV 08 1201 18.8s 38.40S 175.76E 218km M=3.9
0.9 0.39 0.28 53
Rsd 0.2s 6ph/3stn Dmin 217km Az.gap 346°
Corr. -0.940 2M/1stn Msd 0.1

94/23857
NOV 08 1237 23.6s 37.88S 175.81E 268km M=4.5
0.4 0.04 0.02 4
Rsd 0.2s 41ph/33stn Dmin 19km Az.gap 171°
Corr. -0.123 25M/13stn Msd 0.2 2↑ 1↓

94/23860
NOV 08 1514 08.8s 36.07S 177.99E 184km M=3.9
0.6 0.07 0.08 9
Rsd 0.2s 18ph/15stn Dmin 181km Az.gap 323°
Corr. -0.310 17M/12stn Msd 0.2 1↑ 2↓

94/23862
NOV 08 1725 59.6s 35.43S 178.59E 232km M=4.3
0.4 0.07 0.08 10
Rsd 0.2s 23ph/19stn Dmin 242km Az.gap 336°
Corr. 0.098 19M/14stn Msd 0.2 1↑ 1↓

94/23867
NOV 08 2107 33.7s 38.47S 175.70E 154km M=3.8
0.4 0.03 0.03 5
Rsd 0.2s 30ph/24stn Dmin 79km Az.gap 217°
Corr. -0.670 32M/25stn Msd 0.2 1↓

94/23868
NOV 09 0101 45.3s 45.82S 167.25E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.1s 16ph/12stn Dmin 40km Az.gap 199°
Corr. 0.641 19M/13stn Msd 0.2 1↓

94/23869
NOV 09 0113 58.4s 35.12S 178.80E 306km M=4.2
0.6 0.24 0.29 36
Rsd 0.2s 13ph/12stn Dmin 295km Az.gap 343°
Corr. 0.790 10M/9stn Msd 0.2 1↑

94/23874
NOV 09 0412 59.0s 38.97S 175.24E 245km M=3.8
0.4 0.09 0.08 9
Rsd 0.1s 8ph/7stn Dmin 190km Az.gap 331°
Corr. -0.864 2M/2stn Msd 0.5

94/23883
NOV 09 1100 37.0s 35.13S 178.69E 254km M=4.4
0.4 0.04 0.03 5
Rsd 0.1s 38ph/32stn Dmin 277km Az.gap 309°
Corr. 0.736 9M/5stn Msd 0.1 1↓

94/23891
NOV 09 1900 48.9s 41.45S 174.34E 5km M=4.0
0.1 0.01 0.01 R
Rsd 0.3s 31ph/21stn Dmin 27km Az.gap 109°
Corr. -0.590 11M/6stn Msd 0.2 5↑ 1↓
Felt Fighting Bay (78) MM4 and Tawa (68).

94/23898
NOV 09 2041 53.2s 36.93S 177.33E 137km M=3.5
0.5 0.05 0.06 5
Rsd 0.2s 23ph/17stn Dmin 93km Az.gap 309°
Corr. -0.370 18M/14stn Msd 0.2

94/23899
NOV 09 2111 59.1s 45.04S 167.56E 112km M=3.9
0.3 0.02 0.01 3
Rsd 0.2s 19ph/14stn Dmin 58km Az.gap 190°
Corr. -0.379 19M/16stn Msd 0.3

94/23907
NOV 10 0118 32.9s 36.73S 177.34E 169km M=3.6
0.2 0.03 0.03 3
Rsd 0.1s 18ph/15stn Dmin 120km Az.gap 306°
Corr. 0.506 8M/7stn Msd 0.2 1↓

94/23911
NOV 10 0247 04.4s 45.28S 166.66E 21km M=4.0
0.2 0.01 0.01 1
Rsd 0.1s 16ph/13stn Dmin 44km Az.gap 286°
Corr. 0.440 8M/4stn Msd 0.2 1↓

94/23918
NOV 10 0725 58.4s 37.45S 176.41E 217km M=3.6
0.5 0.06 0.07 8
Rsd 0.2s 23ph/18stn Dmin 116km Az.gap 256°
Corr. -0.626 13M/12stn Msd 0.1 1↓

94/23919
NOV 10 0732 24.4s 43.30S 172.64E 26km M=3.5
0.1 0.01 0.01 1
Rsd 0.1s 11ph/7stn Dmin 45km Az.gap 142°
Corr. -0.085 13M/8stn Msd 0.3 1↑

94/23922
NOV 10 0856 22.3s 38.52S 175.36E 247km M=4.0
1.9 0.06 0.07 16
Rsd 0.2s 25ph/24stn Dmin 76km Az.gap 207°
Corr. -0.640 32M/30stn Msd 0.2

94/23926
NOV 10 1213 18.2s 38.01S 177.26E 46km M=3.7
0.1 0.01 0.01 2
Rsd 0.2s 44ph/39stn Dmin 16km Az.gap 60°
Corr. -0.270 32M/16stn Msd 0.2 4↑ 7↓

94/23938
NOV 10 1923 58.8s 40.50S 174.74E 78km M=4.6
0.2 0.01 0.01 3
Rsd 0.2s 39ph/33stn Dmin 43km Az.gap 74°
Corr. 0.049 34M/18stn Msd 0.2 5↑ 3↓

94/23967
NOV 11 1110 03.7s 35.70S 178.60E 222km M=3.6
0.7 0.13 0.11 16
Rsd 0.3s 18ph/16stn Dmin 212km Az.gap 342°
Corr. -0.487 5M/5stn Msd 0.4 1↑ 1↓

94/23987
NOV 12 0102 37.4s 36.44S 177.13E 234km M=3.8
0.4 0.08 0.05 8
Rsd 0.1s 20ph/17stn Dmin 157km Az.gap 326°
Corr. -0.528 11M/11stn Msd 0.3 1↓

94/23991
NOV 12 0208 49.5s 43.00S 171.40E 5km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 72km Az.gap 128°
Corr. -0.571 13M/9stn Msd 0.3

94/23997
NOV 12 0527 15.3s 37.96S 175.92E 132km M=3.6
0.3 0.03 0.04 5
Rsd 0.1s 27ph/22stn Dmin 141km Az.gap 236°
Corr. -0.777 17M/14stn Msd 0.1 1↓

94/23999
NOV 12 0730 31.2s 39.82S 173.95E 213km M=4.0
0.7 0.03 0.04 6
Rsd 0.3s 22ph/19stn Dmin 84km Az.gap 160°
Corr. -0.211 28M/26stn Msd 0.2

94/24001
NOV 12 0753 26.1s 41.81S 174.11E 5km M=3.9
0.2 0.01 0.01 R
Rsd 0.3s 24ph/20stn Dmin 11km Az.gap 142°
Corr. -0.378 9M/5stn Msd 0.2 1↑

94/24021
NOV 12 1655 04.9s 38.06S 176.00E 132km M=3.5
0.5 0.04 0.07 11
Rsd 0.2s 14ph/12stn Dmin 128km Az.gap 244°
Corr. -0.749 11M/10stn Msd 0.2 1↓

94/24034
NOV 12 2231 54.2s 36.13S 178.46E 12km M=3.5
0.4 0.03 0.04 R
Rsd 0.1s 10ph/7stn Dmin 164km Az.gap 343°
Corr. -0.634 6M/6stn Msd 0.2 1↓

94/24036
NOV 12 2254 25.5s 41.32S 172.62E 189km M=3.8
0.3 0.02 0.01 2
Rsd 0.2s 27ph/20stn Dmin 55km Az.gap 117°
Corr. -0.226 13M/13stn Msd 0.3 1↑ 1↓

94/24037
NOV 12 2257 58.5s 40.94S 176.39E 35km M=3.5
0.2 0.01 0.02 3
Rsd 0.2s 28ph/23stn Dmin 37km Az.gap 205°
Corr. -0.162 21M/19stn Msd 0.2 2↑ 1↓

94/24049
NOV 13 0422 33.7s 37.86S 175.93E 157km M=3.5
0.3 0.03 0.04 5
Rsd 0.1s 23ph/18stn Dmin 147km Az.gap 255°
Corr. -0.700 12M/10stn Msd 0.2 1↑ 1↓

94/24064
NOV 13 1835 27.0s 38.54S 177.83E 31km M=3.6
0.1 0.01 0.01 1
Rsd 0.3s 34ph/26stn Dmin 20km Az.gap 67°
Corr. -0.373 33M/17stn Msd 0.2 5↑ 10↓

94/24070
NOV 13 2049 35.9s 40.51S 173.37E 179km M=4.1
0.3 0.02 0.01 2
Rsd 0.2s 33ph/24stn Dmin 57km Az.gap 146°
Corr. -0.262 22M/19stn Msd 0.2 1↑ 2↓

94/24073
NOV 13 2228 31.6s 44.55S 168.05E 74km M=3.7
0.5 0.02 0.02 12
Rsd 0.3s 24ph/16stn Dmin 99km Az.gap 192°
Corr. -0.525 23M/17stn Msd 0.3

94/24075
NOV 13 2317 23.1s 37.45S 179.76E 80km M=3.8
0.4 0.02 0.05 11
Rsd 0.1s 30ph/23stn Dmin 117km Az.gap 321°
Corr. -0.006 21M/13stn Msd 0.1 1↑ 2↓

94/24102
NOV 14 1427 28.3s 40.03S 175.02E 22km M=3.4
0.2 0.01 0.01 2
Rsd 0.3s 27ph/22stn Dmin 27km Az.gap 117°
Corr. -0.240 17M/14stn Msd 0.2 1↑ 1↓
Felt Wanganui (57) MM4.

94/24117
NOV 14 2120 13.7s 38.32S 176.13E 160km M=4.1
0.4 0.02 0.01 3
Rsd 0.3s 47ph/36stn Dmin 68km Az.gap 79°
Corr. -0.188 24M/13stn Msd 0.2 1↑

94/24119
NOV 14 2325 04.4s 36.62S 177.96E 12km M=4.0
0.4 0.03 0.03 R
Rsd 0.2s 28ph/22stn Dmin 105km Az.gap 254°
Corr. 0.274 19M/10stn Msd 0.2 1↓

94/24122
NOV 15 0004 27.9s 37.09S 174.98E 12km M=4.3
0.7 0.06 0.04 R
Rsd 0.2s 8ph/7stn Dmin 287km Az.gap 337°
Corr. -0.132 3M/3stn Msd 0.0 1↓

94/24134
NOV 15 1053 47.9s 37.74S 177.64E 85km M=3.7
0.2 0.01 0.01 2
Rsd 0.3s 51ph/41stn Dmin 11km Az.gap 117°
Corr. -0.016 35M/18stn Msd 0.2 19↑ 4↓

94/24145
NOV 15 2004 06.6s 44.60S 168.42E 12km M=4.1
0.3 0.02 0.02 R
Rsd 0.2s 17ph/13stn Dmin 71km Az.gap 201°
Corr. -0.218 15M/8stn Msd 0.3 1↑ 1↓
Felt Mt Earnslaw (121) MM4, Milford Sound (120) and Queenstown (132).

94/24186
NOV 16 2142 11.3s 36.87S 176.62E 12km M=3.8
1.0 0.08 0.12 R
Rsd 0.3s 6ph/4stn Dmin 142km Az.gap 342°
Corr. 0.657 3M/2stn Msd 0.1

94/24199
NOV 17 0244 03.1s 40.59S 173.35E 165km M=3.7
0.4 0.03 0.02 3
Rsd 0.3s 22ph/15stn Dmin 54km Az.gap 203°
Corr. -0.236 9M/9stn Msd 0.2 2↑ 1↓

94/24205
NOV 17 0531 45.5s 35.00S 178.74E 238km M=3.8
0.3 0.04 0.03 8
Rsd 0.1s 18ph/17stn Dmin 291km Az.gap 335°
Corr. 0.256 8M/8stn Msd 0.2 1↓

94/24208
NOV 17 0750 33.4s 37.16S 177.11E 140km M=3.6
0.2 0.02 0.03 3
Rsd 0.2s 34ph/22stn Dmin 88km Az.gap 299°
Corr. -0.467 21M/15stn Msd 0.1 3↑ 2↓

94/24215
NOV 17 1102 03.7s 35.91S 177.74E 120km M=3.7
0.7 0.11 0.07 24
Rsd 0.1s 16ph/13stn Dmin 185km Az.gap 323°
Corr. -0.514 17M/16stn Msd 0.2 1↑ 4↓

94/24233
NOV 17 2259 02.6s 36.88S 176.88E 286km M=5.2
0.4 0.04 0.02 4
Rsd 0.2s 54ph/41stn Dmin 77km Az.gap 189°
Corr. 0.285 42M/21stn Msd 0.2 16↑ 1↓

94/24251
NOV 18 1118 02.8s 35.90S 178.08E 191km M=3.6
0.7 0.09 0.08 15
Rsd 0.2s 20ph/15stn Dmin 184km Az.gap 337°
Corr. -0.370 12M/11stn Msd 0.2 1↓

94/24262
NOV 18 1855 29.5s 37.61S 179.90W 33km M=4.0
0.3 0.03 0.02 R
Rsd 0.1s 30ph/25stn Dmin 143km Az.gap 311°
Corr. 0.064 18M/10stn Msd 0.1 1↓

94/24265
NOV 18 2057 25.1s 36.83S 176.87E 12km M=3.5
0.4 0.02 0.04 R
Rsd 0.1s 6ph/4stn Dmin 130km Az.gap 339°
Corr. 0.437 3M/2stn Msd 0.2 1↓

94/24270
NOV 19 0003 56.8s 43.10S 171.42E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 12ph/8stn Dmin 56km Az.gap 99°
Corr. -0.427 14M/10stn Msd 0.3 1↑ 1↓

94/24272
NOV 19 0031 59.2s 36.49S 176.34E 213km M=3.8
0.7 0.09 0.11 13
Rsd 0.3s 14ph/11stn Dmin 191km Az.gap 302°
Corr. -0.720 8M/7stn Msd 0.2 1↓

94/24286
NOV 19 1402 08.4s 45.19S 167.57E 98km M=4.8
0.2 0.01 0.01 3
Rsd 0.1s 15ph/11stn Dmin 84km Az.gap 240°
Corr. -0.381 8M/4stn Msd 0.2 1↑ 9↓
Felt Te Anau Downs Hstd (130) MM4.

94/24290
NOV 19 1457 33.8s 38.58S 175.03E 209km M=3.5
0.7 0.06 0.07 12
Rsd 0.4s 22ph/20stn Dmin 204km Az.gap 224°
Corr. -0.927 9M/9stn Msd 0.2 1↑

94/24294
NOV 19 1805 08.9s 38.07S 175.77E 145km M=3.5
0.4 0.03 0.05 7
Rsd 0.2s 27ph/21stn Dmin 143km Az.gap 228°
Corr. -0.776 21M/20stn Msd 0.2 1↑ 1↓

94/24295
NOV 19 1818 37.1s 38.85S 175.17E 252km M=3.6
0.6 0.03 0.03 5
Rsd 0.2s 25ph/22stn Dmin 36km Az.gap 211°
Corr. 0.068 17M/17stn Msd 0.2 1↑ 1↓

94/24310
NOV 20 0343 36.5s 37.73S 176.16E 178km M=3.9
0.2 0.02 0.03 3
Rsd 0.2s 38ph/28stn Dmin 118km Az.gap 237°
Corr. -0.382 32M/29stn Msd 0.2 2↑

94/24311
NOV 20 0424 32.4s 38.32S 175.92E 164km M=3.7
0.4 0.04 0.03 5
Rsd 0.2s 22ph/16stn Dmin 103km Az.gap 224°
Corr. -0.714 21M/18stn Msd 0.3 2↑ 1↓

94/24313
NOV 20 0504 41.4s 44.18S 169.49E 12km M=3.8
0.1 0.00 0.01 R
Rsd 0.2s 19ph/15stn Dmin 54km Az.gap 144°
Corr. 0.124 19M/15stn Msd 0.2 5↑ 1↓

94/24321
NOV 20 0934 25.7s 37.20S 176.28E 207km M=3.8
0.4 0.04 0.05 6
Rsd 0.2s 34ph/25stn Dmin 137km Az.gap 248°
Corr. -0.321 26M/22stn Msd 0.1 1↑

94/24339
NOV 20 2044 42.6s 38.47S 175.79E 187km M=4.7
0.4 0.02 0.01 3
Rsd 0.3s 63ph/54stn Dmin 43km Az.gap 79°
Corr. -0.338 41M/21stn Msd 0.3 9↑ 6↓

94/24347
NOV 21 0023 39.6s 40.86S 174.71E 41km M=3.9
0.1 0.01 0.01 2
Rsd 0.2s 32ph/28stn Dmin 17km Az.gap 65°
Corr. -0.451 16M/13stn Msd 0.2 2↑ 2↓
Felt Kelburn (68) MM 3.

94/24352
NOV 21 0613 35.6s 42.98S 171.38E 5km M=3.9
0.1 0.01 0.01 R
Rsd 0.2s 14ph/9stn Dmin 54km Az.gap 114°
Corr. -0.206 10M/5stn Msd 0.1 1↓

94/24361
NOV 21 1408 31.1s 40.39S 174.42E 88km M=3.5
0.4 0.03 0.01 3
Rsd 0.2s 16ph/13stn Dmin 62km Az.gap 244°
Corr. -0.406 14M/12stn Msd 0.3

94/24366
NOV 21 2052 28.6s 41.24S 172.56E 5km M=3.5
0.2 0.01 0.01 R
Rsd 0.4s 11ph/7stn Dmin 46km Az.gap 128°
Corr. -0.125 17M/15stn Msd 0.2 1↓

94/24405
NOV 23 0509 46.4s 37.48S 176.58E 203km M=5.9
0.4 0.02 0.02 3
Rsd 0.3s 58ph/51stn Dmin 54km Az.gap 142°
Corr. -0.002 38M/19stn Msd 0.2 18↑ 10↓
Felt Gisborne (45).

94/24415
NOV 23 1415 03.6s 36.68S 177.25E 191km M=3.7
0.3 0.03 0.03 3
Rsd 0.1s 24ph/21stn Dmin 128km Az.gap 305°
Corr. -0.116 15M/12stn Msd 0.2 3↑ 1↓

94/24419
NOV 23 1905 55.0s 45.08S 167.63E 101km M=3.7
0.4 0.02 0.02 4
Rsd 0.1s 16ph/13stn Dmin 94km Az.gap 236°
Corr. -0.577 18M/14stn Msd 0.2 1↑

94/24453
NOV 24 0656 20.7s 37.33S 178.76E 29km M=3.8
0.4 0.02 0.02 2
Rsd 0.3s 36ph/27stn Dmin 49km Az.gap 297°
Corr. 0.276 24M/12stn Msd 0.3 1↓

94/24482
NOV 24 1310 57.5s 38.01S 176.19E 175km M=3.8
0.3 0.02 0.01 3
Rsd 0.3s 42ph/30stn Dmin 55km Az.gap 151°
Corr. -0.171 40M/34stn Msd 0.3 1↑ 2↓

94/24488
NOV 24 1527 56.7s 37.72S 179.33W 33km M=3.6
0.6 0.04 0.04 R
Rsd 0.2s 20ph/17stn Dmin 193km Az.gap 327°
Corr. 0.105 11M/11stn Msd 0.2 1↓

94/24496
NOV 24 1757 52.6s 38.85S 175.62E 128km M=3.6
0.7 0.02 0.03 6
Rsd 0.3s 41ph/39stn Dmin 19km Az.gap 106°
Corr. -0.598 30M/24stn Msd 0.2 2↑ 1↓

94/24516
NOV 25 0345 33.8s 35.47S 178.29E 243km M=4.4
0.5 0.07 0.06 7
Rsd 0.2s 39ph/35stn Dmin 233km Az.gap 314°
Corr. -0.274 34M/29stn Msd 0.2 3↑ 2↓

94/24521
NOV 25 0657 55.0s 36.90S 177.08E 184km M=3.9
0.2 0.02 0.03 3
Rsd 0.2s 44ph/29stn Dmin 111km Az.gap 295°
Corr. -0.203 27M/21stn Msd 0.3 4↑ 3↓

94/24536
NOV 25 1117 01.9s 35.31S 179.27E 228km M=4.4
0.4 0.05 0.04 10
Rsd 0.2s 40ph/29stn Dmin 268km Az.gap 326°
Corr. 0.017 15M/8stn Msd 0.1 1↑

94/24547
NOV 25 2056 57.5s 45.28S 166.71E 5km M=3.7
0.1 0.01 0.01 R
Rsd 0.0s 14ph/12stn Dmin 119km Az.gap 295°
Corr. 0.664 18M/16stn Msd 0.1 1↑ 1↓

94/24567
NOV 26 0349 21.3s 40.19S 176.65E 57km M=4.1
0.1 0.00 0.01 2
Rsd 0.1s 61ph/54stn Dmin 37km Az.gap 167°
Corr. -0.615 26M/13stn Msd 0.2 5↑ 3↓

94/24568
NOV 26 0426 30.3s 37.74S 179.81E 33km M=3.9
0.3 0.02 0.02 R
Rsd 0.2s 31ph/27stn Dmin 117km Az.gap 303°
Corr. -0.105 23M/13stn Msd 0.2 1↓

94/24591
NOV 26 1554 07.5s 43.19S 171.49E 5km M=3.6
0.1 0.01 0.00 R
Rsd 0.1s 14ph/8stn Dmin 62km Az.gap 88°
Corr. -0.332 33M/27stn Msd 0.2 1↓

94/24594
NOV 26 1646 06.0s 37.35S 177.06E 135km M=3.5
0.4 0.03 0.04 3
Rsd 0.2s 26ph/21stn Dmin 76km Az.gap 299°
Corr. -0.631 12M/12stn Msd 0.2 6↑ 1↓

94/24632
NOV 27 1006 32.3s 36.04S 177.20E 142km M=4.1
0.5 0.12 0.06 17
Rsd 0.1s 21ph/16stn Dmin 165km Az.gap 292°
Corr. -0.085 9M/5stn Msd 0.2 1↓

94/24635
NOV 27 1032 26.4s 38.96S 174.98E 228km M=4.0
0.4 0.02 0.01 3
Rsd 0.2s 41ph/33stn Dmin 49km Az.gap 90°
Corr. 0.096 8M/5stn Msd 0.1 1↑ 3↓

94/24648
NOV 27 1459 16.5s 35.42S 178.15E 260km M=3.5
2.0 0.22 0.15 23
Rsd 0.3s 10ph/10stn Dmin 238km Az.gap 325°
Corr. -0.573 5M/5stn Msd 0.1 1↓

94/24669
NOV 28 0346 47.5s 38.68S 175.74E 116km M=4.1
0.3 0.01 0.01 3
Rsd 0.2s 57ph/46stn Dmin 38km Az.gap 69°
Corr. -0.164 26M/13stn Msd 0.2 3↑ 2↓

94/24676
NOV 28 0715 21.2s 38.03S 176.43E 149km M=3.7
0.4 0.02 0.01 3
Rsd 0.3s 53ph/43stn Dmin 9km Az.gap 147°
Corr. -0.358 13M/8stn Msd 0.2 1↑

94/24694
NOV 28 1632 48.2s 37.72S 175.84E 172km M=3.5
0.2 0.02 0.03 4
Rsd 0.1s 28ph/24stn Dmin 145km Az.gap 238°
Corr. -0.263 29M/29stn Msd 0.2 2↑ 3↓

94/24706
NOV 28 2024 07.8s 39.31S 175.42E 13km M=3.6
0.1 0.01 0.00 1
Rsd 0.2s 30ph/25stn Dmin 14km Az.gap 90°
Corr. -0.123 27M/25stn Msd 0.3 1↑ 3↓

94/24724
NOV 29 0810 40.8s 36.02S 178.36E 33km M=3.8
0.7 0.05 0.09 R
Rsd 0.3s 24ph/20stn Dmin 174km Az.gap 339°
Corr. -0.308 15M/12stn Msd 0.2 1↑ 1↓

94/24741
NOV 29 1336 25.5s 43.91S 170.64E 5km M=4.1
0.1 0.00 0.01 R
Rsd 0.1s 20ph/16stn Dmin 48km Az.gap 141°
Corr. -0.754 39M/33stn Msd 0.2 1↓
Felt Erewhon (106) MM4 and south Canterbury.

94/24763
NOV 30 0035 32.9s 44.71S 167.37E 12km M=4.3
0.6 0.02 0.04 R
Rsd 0.2s 16ph/14stn Dmin 139km Az.gap 228°
Corr. -0.353 18M/12stn Msd 0.2 1↓

94/24764
NOV 30 0100 59.7s 36.62S 179.66E 12km M=3.5
0.3 0.04 0.02 R
Rsd 0.1s 6ph/5stn Dmin 199km Az.gap 341°
Corr. -0.409 2M/2stn Msd 0.2

94/24766
NOV 30 0139 45.0s 35.43S 177.75E 171km M=3.9
0.5 0.08 0.08 14
Rsd 0.1s 8ph/6stn Dmin 259km Az.gap 348°
Corr. -0.210 3M/2stn Msd 0.3

94/24769
NOV 30 0336 50.1s 38.54S 177.95E 29km M=3.7
0.1 0.01 0.01 1
Rsd 0.3s 42ph/29stn Dmin 12km Az.gap 54°
Corr. -0.489 30M/16stn Msd 0.2 7↑ 4↓

94/24770
NOV 30 0412 32.5s 37.85S 175.79E 285km M=4.1
0.5 0.05 0.03 4
Rsd 0.2s 35ph/30stn Dmin 114km Az.gap 214°
Corr. -0.533 28M/23stn Msd 0.2 1↑ 2↓

94/24771
NOV 30 0421 14.5s 37.23S 176.50E 179km M=3.9
0.2 0.02 0.02 2
Rsd 0.1s 29ph/23stn Dmin 119km Az.gap 265°
Corr. -0.241 8M/5stn Msd 0.2 1↑ 2↓

94/24774
NOV 30 0441 36.9s 40.93S 174.58E 55km M=3.5
0.1 0.01 0.01 2
Rsd 0.2s 28ph/24stn Dmin 29km Az.gap 58°
Corr. -0.438 19M/16stn Msd 0.3 1↑

94/24795
NOV 30 1426 01.8s 43.07S 171.44E 5km M=4.3
0.2 0.02 0.01 R
Rsd 0.2s 14ph/9stn Dmin 58km Az.gap 128°
Corr. -0.638 11M/6stn Msd 0.2 1↑ 2↓
Felt Arthur's Pass (93) MM4 and Greymouth (85).

94/24806
NOV 30 1945 05.1s 37.74S 179.84E 12km M=4.1
0.3 0.02 0.02 R
Rsd 0.1s 34ph/25stn Dmin 120km Az.gap 306°
Corr. -0.047 24M/13stn Msd 0.2 1↓

94/24809
NOV 30 2109 56.6s 39.08S 176.98E 51km M=3.6
0.2 0.01 0.01 3
Rsd 0.2s 31ph/29stn Dmin 43km Az.gap 129°
Corr. -0.493 16M/8stn Msd 0.2 1↓

94/24810
NOV 30 2242 16.8s 38.47S 175.72E 180km M=3.8
0.3 0.03 0.01 3
Rsd 0.2s 28ph/22stn Dmin 61km Az.gap 169°
Corr. -0.609 25M/21stn Msd 0.3 1↓

94/24814
DEC 01 0001 42.6s 37.93S 177.59E 50km M=3.6
0.2 0.01 0.01 2
Rsd 0.2s 45ph/41stn Dmin 7km Az.gap 50°
Corr. 0.121 28M/15stn Msd 0.2 4↑ 4↓

94/24849
DEC 01 1551 40.3s 38.27S 175.80E 170km M=3.7
0.4 0.03 0.01 4
Rsd 0.2s 25ph/20stn Dmin 85km Az.gap 180°
Corr. -0.688 25M/23stn Msd 0.4 2↑ 1↓

94/24863
DEC 01 2133 20.4s 38.04S 176.86E 89km M=3.6
0.3 0.01 0.01 2
Rsd 0.3s 43ph/37stn Dmin 17km Az.gap 96°
Corr. -0.199 14M/8stn Msd 0.1 1↑ 6↓

94/24879
DEC 02 0714 18.0s 36.89S 179.50E 12km M=3.5
0.7 0.06 0.05 R
Rsd 0.2s 22ph/17stn Dmin 128km Az.gap 333°
Corr. -0.227 13M/12stn Msd 0.3 1↑

94/24921
DEC 03 0414 21.9s 37.29S 176.30E 217km M=4.0
0.3 0.03 0.04 3
Rsd 0.1s 27ph/24stn Dmin 132km Az.gap 257°
Corr. -0.325 24M/20stn Msd 0.3 1↑

94/24945
DEC 03 1539 28.7s 39.31S 175.40E 10km M=3.8
0.2 0.01 0.01 2
Rsd 0.3s 28ph/24stn Dmin 15km Az.gap 70°
Corr. 0.317 8M/4stn Msd 0.2 2↑ 2↓

94/24962
DEC 03 2323 47.9s 39.53S 174.30E 212km M=4.1
0.5 0.02 0.03 5
Rsd 0.2s 25ph/20stn Dmin 62km Az.gap 161°
Corr. -0.075 8M/5stn Msd 0.2 1↑ 3↓

94/24963
DEC 03 2333 55.8s 38.65S 175.64E 174km M=3.5
1.4 0.04 0.06 13
Rsd 0.5s 17ph/15stn Dmin 49km Az.gap 220°
Corr. -0.451 11M/11stn Msd 0.4 1↑

94/24965
DEC 03 2346 26.9s 45.01S 167.69E 79km M=3.6
0.2 0.01 0.01 3
Rsd 0.1s 17ph/14stn Dmin 100km Az.gap 233°
Corr. -0.622 21M/16stn Msd 0.2 1↓

94/24974
DEC 04 0553 57.9s 37.78S 176.82E 146km M=3.5
0.4 0.03 0.08 5
Rsd 0.2s 10ph/6stn Dmin 70km Az.gap 233°
Corr. -0.470 8M/8stn Msd 0.3

94/25003
DEC 04 2010 22.2s 37.27S 178.62E 252km M=3.8
1.4 0.75 0.38 16
Rsd 0.2s 6ph/4stn Dmin 62km Az.gap 339°
Corr. -0.835 2M/1stn Msd 0.3

94/25009
DEC 04 2126 16.2s 39.25S 174.83E 209km M=3.8
0.6 0.02 0.02 5
Rsd 0.2s 21ph/17stn Dmin 62km Az.gap 144°
Corr. 0.462 17M/17stn Msd 0.2 1↓

94/25011
DEC 04 2205 57.8s 35.79S 178.80E 211km M=6.1
0.8 0.05 0.05 7
Rsd 0.3s 40ph/37stn Dmin 205km Az.gap 271°
Corr. 0.641 38M/20stn Msd 0.2 7↑ 2↓

94/25052
DEC 05 1700 52.6s 37.87S 176.08E 161km M=3.6
0.2 0.02 0.01 3
Rsd 0.1s 31ph/22stn Dmin 121km Az.gap 233°
Corr. -0.643 24M/20stn Msd 0.3 1↓

94/25054
DEC 05 1717 52.1s 37.85S 176.33E 187km M=5.6
0.3 0.02 0.01 3
Rsd 0.3s 69ph/51stn Dmin 18km Az.gap 89°
Corr. 0.155 39M/21stn Msd 0.3 2↑ 6↓

94/25061
DEC 06 0041 27.4s 39.82S 175.18E 84km M=4.0
0.3 0.01 0.01 5
Rsd 0.2s 34ph/30stn Dmin 22km Az.gap 59°
Corr. 0.222 8M/4stn Msd 0.2 1↑

94/25062
DEC 06 0312 39.9s 38.61S 175.70E 215km M=3.7
1.2 0.05 0.05 9
Rsd 0.1s 17ph/16stn Dmin 46km Az.gap 328°
Corr. 0.000 11M/11stn Msd 0.3

94/25084
DEC 06 1408 13.7s 38.31S 175.78E 175km M=4.1
0.4 0.03 0.01 4
Rsd 0.3s 47ph/38stn Dmin 80km Az.gap 173°
Corr. -0.570 22M/11stn Msd 0.2 4↑ 7↓

94/25093
DEC 06 1737 18.1s 36.88S 179.44E 12km M=4.9
1.1 0.07 0.07 R
Rsd 0.2s 28ph/24stn Dmin 126km Az.gap 288°
Corr. 0.128 35M/18stn Msd 0.3 2↑ 1↓

94/25094
DEC 06 1804 12.1s 36.72S 179.20E 33km M=3.7
1.2 0.09 0.10 R
Rsd 0.4s 19ph/15stn Dmin 126km Az.gap 336°
Corr. -0.310 15M/12stn Msd 0.2 1↓

94/25096
DEC 06 1821 37.6s 36.70S 179.47E 33km M=3.7
0.6 0.05 0.06 R
Rsd 0.2s 17ph/14stn Dmin 143km Az.gap 336°
Corr. -0.432 13M/12stn Msd 0.2

94/25098
DEC 06 1835 27.6s 36.95S 179.48E 12km M=3.9
0.8 0.07 0.07 R
Rsd 0.2s 22ph/18stn Dmin 122km Az.gap 330°
Corr. -0.605 18M/11stn Msd 0.2 1↓

94/25128
DEC 07 0537 32.9s 43.39S 170.81E 4km M=3.0
0.1 0.00 0.01 1
Rsd 0.1s 11ph/7stn Dmin 14km Az.gap 106°
Corr. 0.097 8M/8stn Msd 0.3 1↑ 1↓
Felt Erewhon (106) MM3.

94/25139
DEC 07 1136 38.3s 35.49S 177.94E 224km M=3.5
0.5 0.05 0.08 10
Rsd 0.1s 18ph/14stn Dmin 236km Az.gap 337°
Corr. -0.656 9M/9stn Msd 0.2 1↓

94/25142
DEC 07 1232 30.1s 35.59S 178.35E 352km M=3.9
1.3 0.65 0.66 56
Rsd 0.3s 6ph/4stn Dmin 246km Az.gap 350°
Corr. 0.757 4M/3stn Msd 0.3

94/25173
DEC 08 0447 44.3s 38.33S 174.97E 319km M=3.6
4.3 0.10 0.10 41
Rsd 0.3s 15ph/15stn Dmin 211km Az.gap 241°
Corr. -0.797 10M/10stn Msd 0.2 1↓
P only solution, unreliable location.

94/25174
DEC 08 0605 34.4s 37.97S 176.10E 12km M=3.5
0.6 0.02 0.04 R
Rsd 0.3s 13ph/8stn Dmin 130km Az.gap 310°
Corr. -0.256 7M/5stn Msd 0.1 1↓

94/25175
DEC 08 0742 55.8s 36.70S 177.50E 135km M=3.8
0.4 0.04 0.04 5
Rsd 0.2s 30ph/20stn Dmin 106km Az.gap 273°
Corr. -0.502 9M/5stn Msd 0.1 2↑ 2↓

94/25199
DEC 08 2000 36.0s 36.16S 178.22E 229km M=3.9
0.5 0.12 0.08 10
Rsd 0.1s 18ph/15stn Dmin 160km Az.gap 334°
Corr. -0.503 14M/14stn Msd 0.2 1↑ 1↓

94/25201
DEC 08 2119 24.9s 35.95S 178.01E 206km M=4.3
0.8 0.13 0.06 19
Rsd 0.1s 18ph/14stn Dmin 179km Az.gap 259°
Corr. 0.234 13M/8stn Msd 0.2 1↓

94/25203
DEC 08 2300 40.0s 42.29S 174.05E 12km M=3.6
0.1 0.02 0.01 R
Rsd 0.3s 27ph/20stn Dmin 45km Az.gap 162°
Corr. -0.739 29M/23stn Msd 0.3 1↓

94/25207
DEC 09 0334 33.1s 38.01S 176.38E 156km M=3.5
0.3 0.03 0.02 3
Rsd 0.2s 20ph/17stn Dmin 107km Az.gap 231°
Corr. -0.661 12M/12stn Msd 0.2 3↑ 1↓

94/25210
DEC 09 0553 42.5s 38.96S 175.01E 220km M=3.6
0.4 0.04 0.04 7
Rsd 0.2s 23ph/21stn Dmin 184km Az.gap 228°
Corr. -0.938 11M/11stn Msd 0.1 1↓

94/25236
DEC 09 1942 38.2s 39.25S 176.25E 56km M=3.6
0.2 0.01 0.01 4
Rsd 0.3s 26ph/22stn Dmin 43km Az.gap 100°
Corr. -0.411 9M/5stn Msd 0.1 3↑ 2↓

94/25254
DEC 10 0518 37.2s 36.95S 178.73E 12km M=3.8
0.7 0.04 0.04 R
Rsd 0.3s 27ph/21stn Dmin 81km Az.gap 268°
Corr. 0.181 9M/6stn Msd 0.1 1↓

94/25259
DEC 10 0718 35.7s 45.37S 166.92E 12km M=4.0
0.3 0.01 0.02 R
Rsd 0.1s 15ph/13stn Dmin 99km Az.gap 280°
Corr. 0.393 23M/18stn Msd 0.2 1↓

94/25261
DEC 10 0743 56.6s 37.31S 177.11E 144km M=3.7
0.3 0.02 0.02 3
Rsd 0.2s 32ph/25stn Dmin 76km Az.gap 171°
Corr. -0.013 23M/18stn Msd 0.3 10↑ 1↓

94/25298
DEC 10 2313 12.5s 45.14S 167.55E 97km M=3.9
0.2 0.02 0.02 4
Rsd 0.1s 18ph/14stn Dmin 89km Az.gap 242°
Corr. -0.742 23M/17stn Msd 0.2 1↓

94/25301
DEC 11 0104 05.8s 38.00S 178.47E 48km M=3.7
0.2 0.01 0.01 1
Rsd 0.2s 31ph/21stn Dmin 15km Az.gap 196°
Corr. -0.011 27M/14stn Msd 0.2 4↑ 8↓

94/25315
DEC 11 0627 26.1s 37.64S 175.91E 33km M=3.7
0.4 0.02 0.03 R
Rsd 0.2s 12ph/9stn Dmin 152km Az.gap 318°
Corr. 0.058 6M/6stn Msd 0.1 1↓

94/25318
DEC 11 0800 01.8s 38.98S 175.79E 10km M=2.4
0.2 0.01 0.01 1
Rsd 0.1s 10ph/6stn Dmin 18km Az.gap 258°
Corr. 0.802 5M/5stn Msd 0.1
Felt Motuoapa (40).

94/25319
DEC 11 0801 17.2s 38.92S 175.83E 5km M=4.5
0.1 0.01 0.01 R
Rsd 0.3s 35ph/31stn Dmin 26km Az.gap 86°
Corr. -0.112 24M/13stn Msd 0.2 1↑ 1↓
Felt Motuoapa (40) MM6, Turangi (40) and Taupo (41).

94/25322
DEC 11 0807 39.7s 38.93S 175.86E 5km M=2.6
0.1 0.01 0.01 R
Rsd 0.2s 11ph/8stn Dmin 20km Az.gap 140°
Corr. -0.371 9M/9stn Msd 0.1
Felt Motuoapa (40).

94/25323
DEC 11 0808 56.2s 38.94S 175.90E 5km M=2.5
0.4 0.01 0.02 R
Rsd 0.3s 11ph/7stn Dmin 28km Az.gap 274°
Corr. 0.346 5M/5stn Msd 0.1
Felt Motuoapa (40).

94/25328
DEC 11 0814 16.8s 38.94S 175.84E 5km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 19ph/17stn Dmin 23km Az.gap 88°
Corr. -0.347 40M/34stn Msd 0.2 3↑ 1↓
Felt Motuoapa (40).

94/25332
DEC 11 0823 55.3s 38.94S 175.86E 2km M=3.3
0.1 0.01 0.01 R
Rsd 0.2s 14ph/11stn Dmin 21km Az.gap 129°
Corr. -0.407 25M/25stn Msd 0.3 3↑ 1↓
Felt Motuoapa (40).

94/25355
DEC 11 0914 00.4s 38.94S 175.85E 5km M=3.1
0.1 0.01 0.01 R
Rsd 0.2s 17ph/11stn Dmin 21km Az.gap 130°
Corr. -0.394 13M/13stn Msd 0.4 3↑ 1↓
Felt Motuoapa (40).

94/25365
DEC 11 0946 10.8s 39.00S 175.92E 5km M=1.2
1.0 0.06 0.03 R
Rsd 0.2s 5ph/4stn Dmin 26km Az.gap 333°
Corr. 0.160 3M/3stn Msd 0.0
Felt Motuoapa (40).

94/25369
DEC 11 1010 07.6s 38.39S 175.65E 176km M=3.6
0.6 0.03 0.02 6
Rsd 0.2s 31ph/25stn Dmin 58km Az.gap 95°
Corr. -0.187 27M/27stn Msd 0.2 2↑ 2↓

94/25383
DEC 11 1138 59.4s 40.19S 176.96E 26km M=3.6
0.2 0.01 0.01 2
Rsd 0.1s 24ph/21stn Dmin 62km Az.gap 196°
Corr. -0.475 29M/24stn Msd 0.3 2↑ 4↓

94/25389
DEC 11 1241 12.4s 38.93S 175.87E 5km M=3.0
0.0 0.00 0.00 R
Rsd 0.1s 13ph/11stn Dmin 20km Az.gap 110°
Corr. -0.379 15M/15stn Msd 0.3 1↓
Felt Motuoapa (40).

94/25413
DEC 11 2358 22.6s 38.34S 175.70E 138km M=3.7
0.5 0.04 0.03 5
Rsd 0.2s 26ph/21stn Dmin 75km Az.gap 220°
Corr. -0.913 23M/23stn Msd 0.2 3↑ 8↓

94/25418
DEC 12 0210 34.7s 38.63S 175.75E 161km M=4.3
0.3 0.01 0.01 2
Rsd 0.2s 57ph/44stn Dmin 41km Az.gap 80°
Corr. -0.493 15M/8stn Msd 0.3 1↑

94/25419
DEC 12 0224 14.3s 37.70S 179.38W 33km M=3.6
0.3 0.04 0.01 R
Rsd 0.1s 7ph/5stn Dmin 212km Az.gap 345°
Corr. 0.325 3M/3stn Msd 0.1

94/25424
DEC 12 0414 06.6s 45.29S 166.43E 12km M=4.1
0.5 0.03 0.03 R
Rsd 0.3s 22ph/14stn Dmin 136km Az.gap 290°
Corr. 0.169 24M/18stn Msd 0.2

94/25440
DEC 12 1325 45.3s 45.54S 167.32E 101km M=3.6
0.3 0.02 0.02 2
Rsd 0.1s 16ph/13stn Dmin 63km Az.gap 284°
Corr. -0.368 17M/15stn Msd 0.1 1↑ 1↓

94/25443
DEC 12 1407 26.9s 35.51S 178.64E 227km M=3.5
0.7 0.09 0.08 16
Rsd 0.2s 13ph/9stn Dmin 245km Az.gap 342°
Corr. -0.249 5M/5stn Msd 0.2 1↓

94/25466
DEC 13 1143 34.9s 38.76S 175.25E 238km M=3.6
0.9 0.03 0.04 7
Rsd 0.3s 18ph/17stn Dmin 48km Az.gap 121°
Corr. 0.044 11M/11stn Msd 0.2

94/25479
DEC 13 2307 32.0s 36.74S 176.75E 281km M=3.9
0.4 0.10 0.06 7
Rsd 0.1s 14ph/11stn Dmin 145km Az.gap 282°
Corr. -0.611 16M/16stn Msd 0.2 3↑ 1↓

94/25481
DEC 13 2323 55.4s 37.80S 176.18E 167km M=3.7
0.4 0.05 0.06 5
Rsd 0.1s 12ph/10stn Dmin 114km Az.gap 237°
Corr. -0.035 14M/14stn Msd 0.1 1↑ 1↓

94/25489
DEC 14 0336 37.8s 37.87S 177.99E 66km M=3.8
0.5 0.02 0.02 5
Rsd 0.3s 14ph/11stn Dmin 9km Az.gap 85°
Corr. -0.602 8M/4stn Msd 0.2 4↑ 2↓

94/25498
DEC 14 0848 09.9s 39.27S 175.04E 139km M=3.7
0.4 0.02 0.01 4
Rsd 0.2s 29ph/26stn Dmin 39km Az.gap 136°
Corr. 0.375 15M/15stn Msd 0.3 1↓

94/25502
DEC 14 1046 19.0s 43.23S 171.59E 12km M=3.6
0.1 0.01 0.01 R
Rsd 0.2s 14ph/9stn Dmin 68km Az.gap 83°
Corr. -0.078 37M/30stn Msd 0.3 1↓

94/25511
DEC 14 1825 43.5s 37.38S 177.19E 151km M=4.2
0.6 0.05 0.02 5
Rsd 0.2s 22ph/19stn Dmin 17km Az.gap 168°
Corr. 0.038 24M/18stn Msd 0.3 5↑ 1↓

94/25514
DEC 14 1952 29.0s 36.73S 177.12E 215km M=3.8
0.3 0.07 0.03 5
Rsd 0.1s 11ph/7stn Dmin 128km Az.gap 331°
Corr. -0.012 7M/6stn Msd 0.2

94/25518
DEC 14 2302 05.6s 44.51S 168.32E 12km M=4.1
0.1 0.01 0.01 R
Rsd 0.1s 18ph/13stn Dmin 85km Az.gap 210°
Corr. -0.173 20M/13stn Msd 0.3 1↓

94/25519
DEC 14 2317 11.8s 37.23S 177.12E 138km M=4.4
0.4 0.03 0.01 4
Rsd 0.2s 30ph/26stn Dmin 34km Az.gap 168°
Corr. 0.192 10M/5stn Msd 0.3 3↑ 1↓

94/25524
DEC 15 0212 25.7s 36.88S 179.44E 21km M=3.9
0.3 0.05 0.09 15
Rsd 0.1s 8ph/5stn Dmin 153km Az.gap 307°
Corr. 0.896 8M/4stn Msd 0.3

94/25538
DEC 15 1002 22.9s 37.27S 177.55E 12km M=4.5
0.3 0.02 0.01 R
Rsd 0.2s 15ph/14stn Dmin 43km Az.gap 178°
Corr. 0.480 38M/31stn Msd 0.3 5↑ 1↓
Felt Te Kaha (28).

94/25541
DEC 15 1120 20.5s 37.27S 177.53E 12km M=6.1
0.4 0.03 0.01 R
Rsd 0.2s 16ph/15stn Dmin 42km Az.gap 177°
Corr. 0.314 23M/12stn Msd 0.4 5↑ 3↓
Felt Opotiki (35) MM5, Auckland, Pikowai, East Cape and Wainuiomata.

94/25543
DEC 15 1123 49.2s 37.09S 177.65E 12km M=3.5
0.9 0.05 0.05 R
Rsd 0.3s 6ph/4stn Dmin 64km Az.gap 275°
Corr. 0.333 5M/5stn Msd 0.3

94/25544
DEC 15 1124 47.6s 37.28S 177.56E 12km M=3.7
0.5 0.03 0.02 R
Rsd 0.3s 10ph/8stn Dmin 43km Az.gap 250°
Corr. 0.277 15M/15stn Msd 0.3

94/25546
DEC 15 1127 05.4s 37.30S 177.47E 12km M=3.8
0.3 0.03 0.01 R
Rsd 0.1s 7ph/7stn Dmin 35km Az.gap 172°
Corr. -0.449 22M/22stn Msd 0.3

94/25547
DEC 15 1128 02.7s 37.45S 177.44E 12km M=3.5
0.6 0.08 0.01 R
Rsd 0.3s 5ph/4stn Dmin 24km Az.gap 215°
Corr. -0.099 15M/15stn Msd 0.2

94/25550
DEC 15 1133 10.2s 37.18S 177.77E 12km M=3.6
0.5 0.04 0.03 R
Rsd 0.3s 10ph/10stn Dmin 65km Az.gap 196°
Corr. 0.599 16M/16stn Msd 0.3

94/25552
DEC 15 1137 40.4s 37.11S 177.49E 12km M=3.7
0.6 0.04 0.04 R
Rsd 0.3s 10ph/7stn Dmin 76km Az.gap 203°
Corr. 0.777 19M/13stn Msd 0.4

94/25554
DEC 15 1147 53.2s 37.19S 177.50E 12km M=4.8
1.2 0.07 0.06 R
Rsd 0.3s 11ph/10stn Dmin 46km Az.gap 205°
Corr. 0.853 10M/5stn Msd 0.2 1↓
Felt Rukuhanga Stn (28).

94/25555
DEC 15 1149 32.4s 37.12S 177.41E 5km M=3.6
0.8 0.05 0.04 R
Rsd 0.5s 8ph/6stn Dmin 49km Az.gap 199°
Corr. 0.247 18M/18stn Msd 0.3

94/25557
DEC 15 1154 04.7s 37.04S 177.50E 12km M=4.0
0.7 0.05 0.04 R
Rsd 0.3s 10ph/9stn Dmin 61km Az.gap 229°
Corr. 0.733 20M/18stn Msd 0.3

94/25558
DEC 15 1157 15.3s 37.31S 177.59E 5km M=3.8
1.1 0.07 0.05 R
Rsd 0.5s 7ph/6stn Dmin 52km Az.gap 227°
Corr. 0.204 30M/25stn Msd 0.3

94/25559
DEC 15 1204 02.3s 37.01S 177.68E 5km M=5.2
1.7 0.08 0.09 R
Rsd 0.6s 17ph/14stn Dmin 72km Az.gap 203°
Corr. 0.767 14M/8stn Msd 0.3

94/25560
DEC 15 1208 56.3s 37.31S 177.18E 5km M=3.7
0.4 0.05 0.05 R
Rsd 0.4s 9ph/6stn Dmin 72km Az.gap 192°
Corr. 0.919 12M/9stn Msd 0.2

94/25561
DEC 15 1213 01.4s 37.10S 177.48E 12km M=3.6
0.7 0.06 0.04 R
Rsd 0.5s 10ph/8stn Dmin 54km Az.gap 194°
Corr. 0.647 14M/13stn Msd 0.3

94/25562
DEC 15 1216 56.3s 37.02S 177.50E 5km M=4.3
0.7 0.05 0.03 R
Rsd 0.2s 12ph/11stn Dmin 63km Az.gap 195°
Corr. 0.662 32M/28stn Msd 0.3
Felt Opotiki (35) MM4.

94/25563
DEC 15 1220 23.1s 37.07S 177.37E 12km M=3.8
0.8 0.07 0.04 R
Rsd 0.2s 5ph/4stn Dmin 102km Az.gap 246°
Corr. 0.462 4M/4stn Msd 0.2

94/25564
DEC 15 1224 40.1s 37.19S 177.54E 12km M=4.0
0.9 0.06 0.06 R
Rsd 0.4s 15ph/12stn Dmin 49km Az.gap 185°
Corr. 0.742 24M/18stn Msd 0.3

94/25567
DEC 15 1236 18.4s 37.24S 177.60E 12km M=3.7
0.7 0.05 0.03 R
Rsd 0.5s 9ph/7stn Dmin 59km Az.gap 235°
Corr. 0.350 11M/8stn Msd 0.4

94/25569
DEC 15 1239 48.1s 37.08S 177.46E 12km M=3.9
0.7 0.04 0.04 R
Rsd 0.5s 15ph/12stn Dmin 55km Az.gap 195°
Corr. 0.681 24M/20stn Msd 0.3 1↓

94/25572
DEC 15 1243 29.0s 37.31S 177.47E 12km M=3.6
0.6 0.04 0.03 R
Rsd 0.6s 11ph/8stn Dmin 35km Az.gap 183°
Corr. 0.461 18M/12stn Msd 0.4

94/25573
DEC 15 1246 50.1s 37.11S 177.42E 12km M=4.2
0.4 0.03 0.02 R
Rsd 0.3s 17ph/14stn Dmin 51km Az.gap 191°
Corr. 0.612 22M/16stn Msd 0.4

94/25574
DEC 15 1248 58.6s 37.28S 177.53E 5km M=3.7
0.7 0.04 0.03 R
Rsd 0.3s 12ph/9stn Dmin 41km Az.gap 176°
Corr. 0.543 9M/6stn Msd 0.3

94/25576
DEC 15 1254 28.1s 37.15S 177.43E 12km M=4.1
0.6 0.04 0.03 R
Rsd 0.5s 17ph/13stn Dmin 47km Az.gap 188°
Corr. 0.592 26M/20stn Msd 0.4

94/25577
DEC 15 1257 26.2s 37.17S 177.56E 12km M=4.6
0.5 0.03 0.02 R
Rsd 0.3s 15ph/12stn Dmin 52km Az.gap 186°
Corr. 0.575 13M/7stn Msd 0.3 1↓

94/25578
DEC 15 1300 45.0s 37.27S 177.39E 12km M=3.9
0.5 0.04 0.05 R
Rsd 0.5s 9ph/7stn Dmin 34km Az.gap 206°
Corr. 0.839 10M/6stn Msd 0.2

94/25579
DEC 15 1308 40.6s 37.18S 177.53E 12km M=4.1
0.6 0.04 0.03 R
Rsd 0.5s 17ph/14stn Dmin 49km Az.gap 185°
Corr. 0.681 29M/22stn Msd 0.4 1↑

94/25580
DEC 15 1311 40.3s 37.08S 177.49E 12km M=3.9
0.4 0.03 0.02 R
Rsd 0.4s 16ph/12stn Dmin 57km Az.gap 190°
Corr. 0.421 25M/21stn Msd 0.4

94/25585
DEC 15 1331 33.3s 45.14S 167.46E 122km M=4.3
0.3 0.03 0.02 4
Rsd 0.1s 20ph/13stn Dmin 92km Az.gap 247°
Corr. -0.807 20M/14stn Msd 0.2 2↑

94/25594
DEC 15 1344 37.8s 37.52S 176.40E 302km M=4.2
0.4 0.05 0.03 5
Rsd 0.1s 10ph/8stn Dmin 168km Az.gap 243°
Corr. -0.792 15M/15stn Msd 0.3

94/25596
DEC 15 1349 56.4s 37.10S 177.55E 12km M=4.2
0.6 0.04 0.04 R
Rsd 0.4s 15ph/13stn Dmin 57km Az.gap 191°
Corr. 0.674 41M/36stn Msd 0.3

94/25598
DEC 15 1353 20.5s 37.25S 177.44E 12km M=4.0
0.6 0.04 0.03 R
Rsd 0.4s 11ph/8stn Dmin 38km Az.gap 175°
Corr. 0.447 21M/17stn Msd 0.3

94/25599
DEC 15 1357 34.3s 36.99S 177.51E 12km M=4.1
0.4 0.03 0.02 R
Rsd 0.4s 19ph/16stn Dmin 66km Az.gap 196°
Corr. 0.546 32M/30stn Msd 0.3

94/25600
DEC 15 1358 51.5s 37.07S 177.55E 12km M=5.0
0.5 0.04 0.02 R
Rsd 0.4s 17ph/14stn Dmin 60km Az.gap 192°
Corr. 0.519 12M/6stn Msd 0.3

94/25601
DEC 15 1400 46.8s 37.15S 177.58E 12km M=4.1
0.7 0.04 0.04 R
Rsd 0.5s 14ph/11stn Dmin 55km Az.gap 188°
Corr. 0.650 26M/20stn Msd 0.4

94/25602
DEC 15 1403 15.3s 37.21S 177.48E 12km M=3.9
0.9 0.05 0.05 R
Rsd 0.5s 13ph/10stn Dmin 66km Az.gap 180°
Corr. 0.768 18M/14stn Msd 0.3

94/25604
DEC 15 1406 26.0s 37.37S 177.53E 12km M=3.7
0.6 0.04 0.02 R
Rsd 0.3s 11ph/10stn Dmin 35km Az.gap 168°
Corr. 0.672 19M/17stn Msd 0.4

94/25606
DEC 15 1409 09.9s 37.12S 177.21E 12km M=3.7
0.4 0.03 0.03 R
Rsd 0.4s 10ph/8stn Dmin 45km Az.gap 183°
Corr. 0.625 9M/9stn Msd 0.3

94/25607
DEC 15 1409 43.9s 37.23S 177.35E 12km M=3.6
0.9 0.06 0.04 R
Rsd 0.6s 8ph/6stn Dmin 36km Az.gap 186°
Corr. 0.577 3M/3stn Msd 0.3

94/25608
DEC 15 1414 04.3s 37.44S 177.50E 12km M=3.8
0.4 0.03 0.03 R
Rsd 0.5s 9ph/6stn Dmin 43km Az.gap 169°
Corr. 0.355 9M/7stn Msd 0.5

94/25609
DEC 15 1414 08.4s 37.10S 177.54E 12km M=4.6
0.6 0.04 0.02 R
Rsd 0.3s 11ph/9stn Dmin 57km Az.gap 191°
Corr. 0.452 14M/7stn Msd 0.4

94/25610
DEC 15 1415 00.4s 37.28S 177.35E 12km M=4.0
0.4 0.03 0.03 R
Rsd 0.5s 8ph/5stn Dmin 31km Az.gap 181°
Corr. 0.641 5M/3stn Msd 0.2

94/25611
DEC 15 1419 23.0s 37.12S 177.51E 12km M=4.1
0.4 0.04 0.02 R
Rsd 0.5s 15ph/12stn Dmin 54km Az.gap 187°
Corr. 0.584 42M/35stn Msd 0.4 1↑

94/25612
DEC 15 1421 53.3s 36.99S 177.55E 12km M=4.2
0.4 0.03 0.02 R
Rsd 0.3s 13ph/10stn Dmin 68km Az.gap 198°
Corr. 0.661 40M/33stn Msd 0.3

94/25613
DEC 15 1424 24.9s 37.25S 177.43E 12km M=3.7
0.6 0.05 0.04 R
Rsd 0.4s 12ph/10stn Dmin 64km Az.gap 175°
Corr. 0.599 16M/12stn Msd 0.3 1↓

94/25614
DEC 15 1425 46.0s 37.04S 177.64E 12km M=4.9
0.6 0.03 0.03 R
Rsd 0.3s 16ph/12stn Dmin 68km Az.gap 199°
Corr. 0.823 14M/7stn Msd 0.4 1↑

94/25616
DEC 15 1431 06.1s 37.24S 177.38E 12km M=3.7
0.7 0.06 0.05 R
Rsd 0.6s 9ph/6stn Dmin 67km Az.gap 186°
Corr. 0.610 9M/5stn Msd 0.2

94/25617
DEC 15 1440 20.2s 37.00S 177.56E 12km M=4.1
0.5 0.03 0.03 R
Rsd 0.3s 14ph/11stn Dmin 68km Az.gap 198°
Corr. 0.748 42M/35stn Msd 0.3

94/25618
DEC 15 1445 32.3s 37.07S 177.49E 12km M=4.0
0.6 0.04 0.03 R
Rsd 0.4s 12ph/9stn Dmin 57km Az.gap 190°
Corr. 0.747 20M/16stn Msd 0.4

94/25619
DEC 15 1446 39.3s 37.06S 177.50E 12km M=3.6
0.4 0.03 0.03 R
Rsd 0.2s 10ph/8stn Dmin 59km Az.gap 191°
Corr. 0.791 10M/10stn Msd 0.3

94/25620
DEC 15 1448 03.0s 37.87S 178.01E 60km M=3.7
1.9 0.09 0.05 18
Rsd 0.6s 7ph/5stn Dmin 25km Az.gap 138°
Corr. 0.102 8M/4stn Msd 0.2 1↓

94/25621
DEC 15 1448 22.7s 37.12S 177.37E 12km M=4.1
0.9 0.06 0.07 R
Rsd 0.4s 10ph/8stn Dmin 79km Az.gap 182°
Corr. 0.876 22M/17stn Msd 0.3

94/25622
DEC 15 1449 23.4s 37.43S 177.32E 12km M=3.6
0.4 0.03 0.03 R
Rsd 0.5s 10ph/7stn Dmin 16km Az.gap 164°
Corr. 0.458 8M/5stn Msd 0.4

94/25623
DEC 15 1458 35.1s 37.26S 177.50E 12km M=3.5
0.7 0.04 0.03 R
Rsd 0.3s 6ph/4stn Dmin 40km Az.gap 256°
Corr. 0.229 7M/3stn Msd 0.3

94/25624
DEC 15 1501 20.3s 37.12S 177.42E 12km M=3.5
0.6 0.04 0.03 R
Rsd 0.5s 8ph/6stn Dmin 50km Az.gap 199°
Corr. 0.348 9M/4stn Msd 0.2

94/25626
DEC 15 1507 35.3s 36.94S 177.49E 12km M=4.0
0.7 0.08 0.04 R
Rsd 0.2s 5ph/5stn Dmin 98km Az.gap 219°
Corr. 0.880 4M/4stn Msd 0.7

94/25628
DEC 15 1513 57.8s 40.83S 175.12E 28km M=5.3
0.1 0.01 0.01 2
Rsd 0.3s 38ph/33stn Dmin 18km Az.gap 70°
Corr. -0.301 23M/12stn Msd 0.4 7↑ 13↓
Felt Ohakune (49) to Wellington (68), MM4.

94/25629
DEC 15 1522 10.9s 37.21S 177.44E 12km M=3.9
0.5 0.04 0.02 R
Rsd 0.4s 16ph/13stn Dmin 42km Az.gap 179°
Corr. 0.226 34M/28stn Msd 0.4

94/25637
DEC 15 1532 47.0s 37.25S 177.43E 12km M=4.0
0.7 0.04 0.03 R
Rsd 0.5s 10ph/7stn Dmin 37km Az.gap 175°
Corr. 0.180 25M/20stn Msd 0.3 1↓

94/25646
DEC 15 1541 56.3s 37.44S 177.50E 12km M=4.9
0.4 0.03 0.01 R
Rsd 0.3s 22ph/21stn Dmin 29km Az.gap 160°
Corr. 0.516 10M/5stn Msd 0.2 1↑ 3↓

94/25652
DEC 15 1552 16.4s 37.09S 177.47E 12km M=3.5
0.7 0.05 0.03 R
Rsd 0.3s 9ph/7stn Dmin 55km Az.gap 246°
Corr. 0.347 7M/5stn Msd 0.3 1↑

94/25654
DEC 15 1557 11.3s 37.07S 177.75E 12km M=3.7
0.9 0.05 0.05 R
Rsd 0.4s 8ph/6stn Dmin 77km Az.gap 219°
Corr. 0.706 17M/13stn Msd 0.3

94/25664
DEC 15 1610 51.6s 37.08S 177.57E 12km M=3.8
0.5 0.03 0.02 R
Rsd 0.3s 10ph/8stn Dmin 60km Az.gap 193°
Corr. 0.100 16M/12stn Msd 0.4

94/25665
DEC 15 1613 45.1s 37.06S 177.56E 12km M=3.6
0.5 0.03 0.02 R
Rsd 0.3s 14ph/11stn Dmin 61km Az.gap 200°
Corr. 0.326 19M/15stn Msd 0.3

94/25667
DEC 15 1620 51.3s 37.34S 177.44E 12km M=3.9
0.6 0.04 0.03 R
Rsd 0.7s 16ph/13stn Dmin 31km Az.gap 168°
Corr. 0.117 23M/18stn Msd 0.3 1↑

94/25671
DEC 15 1627 02.7s 37.27S 177.31E 12km M=3.5
1.6 0.13 0.08 R
Rsd 0.9s 5ph/4stn Dmin 68km Az.gap 227°
Corr. 0.357 6M/4stn Msd 0.3

94/25672
DEC 15 1628 54.2s 37.03S 177.56E 12km M=3.8
0.6 0.04 0.03 R
Rsd 0.4s 12ph/9stn Dmin 83km Az.gap 214°
Corr. 0.506 19M/14stn Msd 0.4

94/25675
DEC 15 1632 52.0s 37.05S 177.48E 12km M=4.2
0.5 0.03 0.02 R
Rsd 0.3s 10ph/7stn Dmin 59km Az.gap 197°
Corr. 0.296 20M/15stn Msd 0.4 1↓

94/25680
DEC 15 1642 21.9s 37.49S 177.09E 12km M=3.7
0.6 0.41 0.26 R
Rsd 0.4s 7ph/5stn Dmin 66km Az.gap 181°
Corr. 0.996 8M/6stn Msd 0.4

94/25683
DEC 15 1646 55.1s 37.14S 177.46E 12km M=3.6
0.3 0.03 0.02 R
Rsd 0.3s 10ph/8stn Dmin 74km Az.gap 185°
Corr. 0.552 11M/7stn Msd 0.4 1↓

94/25684
DEC 15 1647 08.7s 37.18S 177.38E 12km M=4.2
0.6 0.04 0.03 R
Rsd 0.3s 14ph/12stn Dmin 43km Az.gap 179°
Corr. 0.678 29M/22stn Msd 0.3

94/25687
DEC 15 1656 41.0s 37.17S 177.42E 12km M=3.7
0.7 0.05 0.03 R
Rsd 0.6s 12ph/9stn Dmin 45km Az.gap 187°
Corr. 0.411 16M/12stn Msd 0.2 1↓

94/25688
DEC 15 1658 03.9s 37.27S 177.43E 12km M=5.5
0.6 0.04 0.02 R
Rsd 0.5s 26ph/22stn Dmin 36km Az.gap 174°
Corr. 0.669 20M/11stn Msd 0.3 9↑ 2↓
Felt Rukuhanga Stn (28) MM3 and Wainui (36).

94/25693
DEC 15 1728 48.1s 37.03S 177.34E 12km M=3.7
0.8 0.05 0.04 R
Rsd 0.3s 8ph/5stn Dmin 90km Az.gap 312°
Corr. -0.305 9M/5stn Msd 0.3 1↓

94/25695
DEC 15 1732 56.9s 37.27S 177.46E 12km M=3.6
0.4 0.03 0.03 R
Rsd 0.3s 8ph/5stn Dmin 37km Az.gap 212°
Corr. 0.723 7M/3stn Msd 0.2

94/25698
DEC 15 1741 35.5s 37.05S 177.49E 12km M=3.8
0.8 0.08 0.07 R
Rsd 0.6s 7ph/5stn Dmin 92km Az.gap 197°
Corr. 0.801 13M/10stn Msd 0.3

94/25702
DEC 15 1811 23.2s 37.30S 177.37E 12km M=3.7
0.5 0.04 0.03 R
Rsd 0.5s 9ph/7stn Dmin 30km Az.gap 180°
Corr. 0.369 8M/5stn Msd 0.4

94/25709
DEC 15 1831 06.3s 37.15S 177.57E 5km M=5.3
0.6 0.03 0.02 R
Rsd 0.3s 16ph/13stn Dmin 54km Az.gap 194°
Corr. 0.491 16M/8stn Msd 0.3 1↑
Felt Rukuhanga Stn (28) MM3.

94/25710
DEC 15 1837 35.7s 37.14S 177.65E 5km M=4.9
0.7 0.04 0.03 R
Rsd 0.3s 17ph/15stn Dmin 59km Az.gap 193°
Corr. 0.532 14M/7stn Msd 0.3 1↑
Felt Rukuhanga Stn (28) MM3.

94/25715
DEC 15 1845 01.5s 37.19S 177.45E 12km M=3.9
1.0 0.07 0.03 R
Rsd 0.3s 9ph/7stn Dmin 44km Az.gap 269°
Corr. 0.185 8M/4stn Msd 0.3

94/25717
DEC 15 1853 42.6s 37.18S 177.43E 12km M=3.8
0.6 0.04 0.03 R
Rsd 0.4s 15ph/12stn Dmin 44km Az.gap 185°
Corr. 0.501 24M/18stn Msd 0.4

94/25720
DEC 15 1856 27.1s 37.21S 177.43E 12km M=3.5
0.5 0.03 0.04 R
Rsd 0.5s 7ph/6stn Dmin 41km Az.gap 184°
Corr. 0.630 11M/9stn Msd 0.3

94/25722
DEC 15 1908 41.9s 37.06S 177.52E 12km M=4.7
0.5 0.03 0.02 R
Rsd 0.3s 15ph/13stn Dmin 60km Az.gap 192°
Corr. 0.647 10M/5stn Msd 0.2 1↓

94/25723
DEC 15 1911 30.1s 37.13S 177.40E 12km M=3.8
0.7 0.05 0.03 R
Rsd 0.7s 11ph/7stn Dmin 48km Az.gap 198°
Corr. 0.324 14M/10stn Msd 0.2

94/25725
DEC 15 1913 32.8s 37.23S 177.46E 12km M=3.8
0.7 0.05 0.03 R
Rsd 0.7s 14ph/11stn Dmin 41km Az.gap 190°
Corr. 0.518 20M/14stn Msd 0.4 1↑

94/25729
DEC 15 1929 44.0s 37.36S 177.41E 12km M=3.6
0.7 0.05 0.03 R
Rsd 0.6s 10ph/8stn Dmin 27km Az.gap 203°
Corr. 0.605 15M/9stn Msd 0.3

94/25731
DEC 15 1936 23.0s 37.73S 176.79E 12km M=3.8
0.6 0.04 0.04 R
Rsd 0.5s 9ph/6stn Dmin 42km Az.gap 180°
Corr. 0.336 10M/6stn Msd 0.2

94/25738
DEC 15 2000 39.8s 37.22S 177.48E 12km M=3.5
0.4 0.02 0.01 R
Rsd 0.1s 6ph/4stn Dmin 43km Az.gap 263°
Corr. 0.528 10M/4stn Msd 0.7

94/25740
DEC 15 2012 24.8s 37.12S 177.58E 12km M=4.0
0.5 0.04 0.03 R
Rsd 0.4s 10ph/8stn Dmin 57km Az.gap 197°
Corr. 0.393 24M/18stn Msd 0.4

94/25741
DEC 15 2014 07.6s 37.07S 177.51E 12km M=3.6
0.4 0.03 0.03 R
Rsd 0.2s 7ph/5stn Dmin 80km Az.gap 197°
Corr. 0.600 11M/7stn Msd 0.3

94/25744
DEC 15 2018 30.1s 37.15S 177.53E 12km M=4.0
0.7 0.05 0.05 R
Rsd 0.5s 10ph/7stn Dmin 71km Az.gap 192°
Corr. 0.470 17M/11stn Msd 0.8

94/25750
DEC 15 2042 46.8s 37.05S 177.57E 12km M=4.6
0.4 0.02 0.03 R
Rsd 0.2s 10ph/7stn Dmin 63km Az.gap 195°
Corr. 0.814 9M/5stn Msd 0.2

94/25751
DEC 15 2043 39.7s 37.23S 177.39E 12km M=3.9
0.4 0.03 0.03 R
Rsd 0.2s 10ph/7stn Dmin 67km Az.gap 175°
Corr. 0.815 15M/10stn Msd 0.3

94/25755
DEC 15 2101 08.0s 37.05S 177.50E 12km M=3.9
0.7 0.05 0.05 R
Rsd 0.2s 10ph/6stn Dmin 60km Az.gap 243°
Corr. 0.888 19M/15stn Msd 0.4

94/25756
DEC 15 2101 36.9s 37.24S 177.40E 12km M=4.6
0.7 0.05 0.05 R
Rsd 0.4s 9ph/6stn Dmin 37km Az.gap 223°
Corr. 0.824 8M/4stn Msd 0.1

94/25757
DEC 15 2124 18.6s 37.75S 176.21E 121km M=3.5
0.1 0.01 0.01 1
Rsd 0.0s 10ph/8stn Dmin 123km Az.gap 239°
Corr. -0.784 11M/9stn Msd 0.3

94/25762
DEC 15 2204 14.1s 36.96S 177.21E 12km M=3.8
1.1 0.04 0.07 R
Rsd 0.3s 5ph/3stn Dmin 102km Az.gap 326°
Corr. -0.360 7M/3stn Msd 0.3

94/25764
DEC 15 2205 54.0s 37.32S 177.36E 12km M=3.6
0.3 0.02 0.02 R
Rsd 0.4s 9ph/6stn Dmin 28km Az.gap 178°
Corr. 0.628 11M/5stn Msd 0.3 1↓

94/25766
DEC 15 2215 17.5s 37.01S 177.54E 12km M=3.8
0.3 0.02 0.02 R
Rsd 0.2s 9ph/7stn Dmin 65km Az.gap 196°
Corr. 0.613 20M/17stn Msd 0.3

94/25768
DEC 15 2218 35.9s 37.27S 177.42E 12km M=4.2
0.6 0.04 0.03 R
Rsd 0.5s 12ph/9stn Dmin 35km Az.gap 174°
Corr. 0.203 26M/19stn Msd 0.3 1↑

94/25769
DEC 15 2219 17.9s 37.32S 177.39E 12km M=4.1
0.6 0.04 0.02 R
Rsd 0.3s 11ph/8stn Dmin 29km Az.gap 168°
Corr. 0.051 21M/15stn Msd 0.3

94/25770
DEC 15 2221 30.0s 37.24S 177.42E 12km M=3.8
0.3 0.02 0.01 R
Rsd 0.3s 13ph/9stn Dmin 38km Az.gap 188°
Corr. 0.304 16M/12stn Msd 0.3 1↑

94/25771
DEC 15 2228 15.2s 37.27S 177.40E 12km M=3.8
0.4 0.03 0.02 R
Rsd 0.3s 8ph/7stn Dmin 34km Az.gap 184°
Corr. 0.129 14M/13stn Msd 0.3

94/25773
DEC 15 2233 46.2s 37.28S 177.49E 12km M=4.8
0.7 0.04 0.03 R
Rsd 0.4s 16ph/14stn Dmin 38km Az.gap 174°
Corr. 0.581 12M/6stn Msd 0.3 1↑

94/25774
DEC 15 2239 17.4s 37.07S 177.54E 12km M=3.7
0.6 0.03 0.04 R
Rsd 0.5s 12ph/10stn Dmin 60km Az.gap 192°
Corr. 0.532 17M/13stn Msd 0.2

94/25777
DEC 15 2244 17.7s 37.23S 177.46E 12km M=4.1
0.8 0.05 0.04 R
Rsd 0.7s 14ph/12stn Dmin 41km Az.gap 177°
Corr. 0.277 22M/18stn Msd 0.3 1↑

94/25779
DEC 15 2248 14.4s 37.10S 177.52E 5km M=3.5
0.7 0.04 0.03 R
Rsd 0.5s 10ph/7stn Dmin 56km Az.gap 196°
Corr. 0.243 11M/7stn Msd 0.3

94/25781
DEC 15 2259 26.9s 37.19S 177.46E 12km M=3.7
0.3 0.02 0.01 R
Rsd 0.2s 11ph/9stn Dmin 44km Az.gap 185°
Corr. -0.045 22M/15stn Msd 0.3

94/25782
DEC 15 2300 20.9s 37.38S 177.41E 12km M=3.5
0.5 0.04 0.02 R
Rsd 0.5s 11ph/8stn Dmin 26km Az.gap 174°
Corr. 0.316 14M/10stn Msd 0.3

94/25783
DEC 15 2301 02.3s 37.39S 177.46E 12km M=4.0
0.4 0.03 0.01 R
Rsd 0.4s 12ph/10stn Dmin 28km Az.gap 163°
Corr. -0.100 28M/21stn Msd 0.3 1↑

94/25784
DEC 15 2304 50.0s 37.36S 177.44E 12km M=3.6
0.3 0.02 0.01 R
Rsd 0.3s 10ph/8stn Dmin 29km Az.gap 176°
Corr. -0.039 18M/11stn Msd 0.3

94/25786
DEC 15 2308 15.2s 38.15S 178.38E 12km M=3.7
0.4 0.02 0.02 R
Rsd 0.1s 6ph/3stn Dmin 70km Az.gap 320°
Corr. -0.309 6M/3stn Msd 0.1

94/25791
DEC 15 2320 38.7s 37.29S 177.40E 12km M=4.3
0.3 0.02 0.01 R
Rsd 0.3s 11ph/7stn Dmin 32km Az.gap 181°
Corr. 0.154 10M/5stn Msd 0.3 1↑

94/25793
DEC 15 2334 35.2s 37.24S 177.46E 12km M=4.5
0.4 0.03 0.02 R
Rsd 0.4s 14ph/11stn Dmin 41km Az.gap 177°
Corr. 0.430 8M/4stn Msd 0.3 2↑ 3↓

94/25794
DEC 15 2337 23.7s 37.24S 177.39E 12km M=4.5
0.4 0.02 0.02 R
Rsd 0.4s 14ph/9stn Dmin 37km Az.gap 175°
Corr. 0.150 8M/4stn Msd 0.3 1↓

94/25795
DEC 15 2338 22.2s 37.30S 177.42E 12km M=3.9
0.4 0.03 0.01 R
Rsd 0.2s 7ph/6stn Dmin 33km Az.gap 183°
Corr. 0.056 14M/8stn Msd 0.3

94/25796
DEC 15 2344 59.3s 36.96S 177.52E 12km M=3.8
0.6 0.04 0.02 R
Rsd 0.2s 9ph/7stn Dmin 70km Az.gap 291°
Corr. 0.034 11M/5stn Msd 0.3

94/25797
DEC 15 2347 14.0s 37.30S 177.41E 12km M=3.5
0.1 0.01 0.01 R
Rsd 0.2s 9ph/7stn Dmin 32km Az.gap 181°
Corr. 0.494 13M/7stn Msd 0.3 1↓

94/25799
DEC 15 2354 52.8s 37.38S 177.55E 12km M=3.6
0.3 0.02 0.01 R
Rsd 0.3s 12ph/10stn Dmin 46km Az.gap 177°
Corr. 0.178 18M/12stn Msd 0.3

94/25802
DEC 16 0022 12.9s 37.29S 177.46E 12km M=3.6
0.5 0.03 0.02 R
Rsd 0.3s 9ph/7stn Dmin 36km Az.gap 253°
Corr. -0.314 13M/6stn Msd 0.5 1↓

94/25803
DEC 16 0029 38.1s 37.28S 177.49E 12km M=3.9
0.5 0.03 0.01 R
Rsd 0.3s 10ph/6stn Dmin 38km Az.gap 175°
Corr. -0.105 23M/16stn Msd 0.3

94/25811
DEC 16 0108 23.4s 37.19S 177.40E 12km M=4.5
0.3 0.02 0.01 R
Rsd 0.3s 16ph/12stn Dmin 42km Az.gap 186°
Corr. 0.545 10M/5stn Msd 0.2 1↓

94/25814
DEC 16 0131 53.9s 37.23S 177.40E 12km M=4.6
0.2 0.02 0.01 R
Rsd 0.2s 15ph/13stn Dmin 38km Az.gap 176°
Corr. 0.414 10M/6stn Msd 0.3 1↑

94/25819
DEC 16 0200 26.8s 37.05S 177.55E 12km M=3.8
0.3 0.03 0.02 R
Rsd 0.3s 8ph/7stn Dmin 62km Az.gap 212°
Corr. 0.678 16M/11stn Msd 0.3 1↓

94/25820
DEC 16 0204 06.0s 38.31S 177.59E 57km M=4.6
0.2 0.01 0.01 3
Rsd 0.2s 28ph/23stn Dmin 37km Az.gap 72°
Corr. 0.120 12M/6stn Msd 0.2 3↑ 5↓

94/25825
DEC 16 0216 03.4s 37.19S 177.43E 12km M=4.5
0.3 0.02 0.02 R
Rsd 0.4s 15ph/11stn Dmin 43km Az.gap 184°
Corr. 0.362 9M/5stn Msd 0.3 1↓

94/25826
DEC 16 0220 45.4s 37.35S 177.11E 12km M=3.7
0.3 0.02 0.01 R
Rsd 0.4s 11ph/8stn Dmin 21km Az.gap 163°
Corr. 0.362 21M/14stn Msd 0.4 2↑ 1↓

94/25833
DEC 16 0257 24.3s 37.10S 177.49E 12km M=3.9
0.5 0.03 0.03 R
Rsd 0.5s 14ph/10stn Dmin 55km Az.gap 205°
Corr. 0.491 15M/8stn Msd 0.3 1↑

94/25835
DEC 16 0302 33.9s 37.31S 177.49E 12km M=3.8
0.6 0.04 0.02 R
Rsd 0.5s 14ph/11stn Dmin 36km Az.gap 176°
Corr. -0.080 24M/17stn Msd 0.3 1↑

94/25839
DEC 16 0322 00.7s 37.04S 177.49E 12km M=3.6
0.4 0.03 0.03 R
Rsd 0.4s 9ph/5stn Dmin 74km Az.gap 210°
Corr. 0.782 13M/6stn Msd 0.2

94/25840
DEC 16 0324 14.5s 37.25S 177.43E 12km M=4.4
0.3 0.02 0.01 R
Rsd 0.3s 19ph/15stn Dmin 37km Az.gap 175°
Corr. 0.367 10M/5stn Msd 0.2 1↑

94/25844
DEC 16 0339 07.5s 37.23S 177.42E 12km M=4.2
0.3 0.02 0.01 R
Rsd 0.3s 17ph/13stn Dmin 39km Az.gap 196°
Corr. 0.256 9M/5stn Msd 0.1

94/25846
DEC 16 0343 51.4s 37.26S 177.53E 12km M=4.0
1.1 0.07 0.03 R
Rsd 0.8s 12ph/9stn Dmin 42km Az.gap 231°
Corr. -0.018 8M/4stn Msd 0.4 1↑ 1↓

94/25852
DEC 16 0408 48.0s 37.30S 177.41E 12km M=3.6
0.2 0.02 0.01 R
Rsd 0.3s 12ph/9stn Dmin 32km Az.gap 181°
Corr. 0.340 17M/10stn Msd 0.3 1↓

94/25853
DEC 16 0413 55.7s 36.88S 177.10E 12km M=3.6
0.7 0.03 0.04 R
Rsd 0.2s 7ph/4stn Dmin 73km Az.gap 319°
Corr. -0.234 5M/3stn Msd 0.1

94/25855
DEC 16 0432 49.3s 37.21S 177.45E 12km M=4.6
0.3 0.02 0.02 R
Rsd 0.3s 12ph/10stn Dmin 42km Az.gap 179°
Corr. 0.658 8M/4stn Msd 0.3 1↑

94/25858
DEC 16 0442 20.4s 37.10S 177.42E 12km M=3.7
0.5 0.04 0.02 R
Rsd 0.4s 9ph/6stn Dmin 52km Az.gap 244°
Corr. 0.286 12M/6stn Msd 0.3

94/25865
DEC 16 0506 56.3s 36.96S 177.45E 153km M=4.2
0.4 0.03 0.02 4
Rsd 0.2s 18ph/14stn Dmin 68km Az.gap 216°
Corr. 0.194 26M/20stn Msd 0.2 1↓

94/25869
DEC 16 0524 48.2s 37.28S 177.42E 12km M=4.3
0.3 0.02 0.01 R
Rsd 0.3s 19ph/15stn Dmin 34km Az.gap 173°
Corr. 0.441 9M/5stn Msd 0.1 1↓

94/25870
DEC 16 0529 36.9s 37.40S 177.43E 12km M=3.6
0.1 0.01 0.01 R
Rsd 0.1s 10ph/7stn Dmin 26km Az.gap 163°
Corr. 0.412 20M/14stn Msd 0.3 1↑

94/25871
DEC 16 0529 50.1s 37.36S 177.53E 12km M=4.5
0.8 0.05 0.05 R
Rsd 0.4s 10ph/8stn Dmin 35km Az.gap 212°
Corr. 0.817 12M/6stn Msd 0.3

94/25875
DEC 16 0548 38.1s 37.15S 177.46E 12km M=4.2
0.2 0.02 0.01 R
Rsd 0.3s 13ph/10stn Dmin 49km Az.gap 199°
Corr. 0.381 8M/5stn Msd 0.2 2↑ 1↓

94/25878
DEC 16 0551 14.6s 37.18S 177.44E 12km M=3.7
0.4 0.02 0.01 R
Rsd 0.3s 12ph/8stn Dmin 45km Az.gap 187°
Corr. -0.118 19M/12stn Msd 0.3

94/25879
DEC 16 0556 59.7s 37.20S 177.41E 12km M=3.7
0.2 0.02 0.01 R
Rsd 0.2s 10ph/6stn Dmin 41km Az.gap 192°
Corr. 0.572 12M/6stn Msd 0.2

94/25884
DEC 16 0605 16.8s 37.25S 177.49E 12km M=3.5
0.3 0.02 0.02 R
Rsd 0.3s 9ph/6stn Dmin 41km Az.gap 190°
Corr. 0.371 12M/6stn Msd 0.2

94/25886
DEC 16 0615 10.9s 37.29S 177.38E 12km M=3.7
0.3 0.02 0.01 R
Rsd 0.3s 10ph/7stn Dmin 31km Az.gap 181°
Corr. 0.376 11M/7stn Msd 0.4

94/25891
DEC 16 0639 32.0s 36.10S 178.02E 33km M=3.6
0.5 0.03 0.07 R
Rsd 0.2s 7ph/4stn Dmin 162km Az.gap 347°
Corr. -0.036 3M/3stn Msd 0.1 1↓

94/25901
DEC 16 0702 58.9s 37.13S 177.44E 12km M=3.5
0.5 0.03 0.02 R
Rsd 0.3s 10ph/7stn Dmin 49km Az.gap 278°
Corr. -0.144 12M/6stn Msd 0.2 1↑

94/25904
DEC 16 0707 56.6s 37.32S 177.46E 12km M=4.2
0.5 0.03 0.02 R
Rsd 0.5s 17ph/13stn Dmin 33km Az.gap 170°
Corr. -0.007 9M/5stn Msd 0.1 1↑

94/25905
DEC 16 0715 15.8s 37.31S 177.40E 12km M=3.9
0.4 0.02 0.02 R
Rsd 0.3s 12ph/10stn Dmin 31km Az.gap 181°
Corr. 0.216 9M/5stn Msd 0.1 1↑

94/25909
DEC 16 0728 45.3s 37.25S 177.61E 12km M=3.8
0.4 0.02 0.03 R
Rsd 0.2s 9ph/7stn Dmin 48km Az.gap 188°
Corr. 0.722 16M/10stn Msd 0.3

94/25911
DEC 16 0731 52.5s 37.32S 177.38E 12km M=3.8
0.3 0.02 0.01 R
Rsd 0.2s 11ph/9stn Dmin 29km Az.gap 178°
Corr. 0.127 8M/4stn Msd 0.1

94/25917
DEC 16 0759 16.5s 37.16S 177.45E 12km M=4.0
0.6 0.04 0.02 R
Rsd 0.3s 14ph/11stn Dmin 47km Az.gap 182°
Corr. 0.006 8M/4stn Msd 0.3

94/25923
DEC 16 0821 25.9s 37.24S 177.49E 12km M=3.7
0.2 0.01 0.01 R
Rsd 0.1s 11ph/8stn Dmin 41km Az.gap 190°
Corr. 0.281 8M/4stn Msd 0.1

94/25934
DEC 16 0910 02.5s 37.29S 177.38E 12km M=4.6
0.3 0.02 0.01 R
Rsd 0.2s 15ph/11stn Dmin 31km Az.gap 175°
Corr. 0.357 10M/5stn Msd 0.3 1↑

94/25935
DEC 16 0911 29.4s 37.22S 177.47E 12km M=3.6
0.4 0.03 0.02 R
Rsd 0.4s 10ph/8stn Dmin 42km Az.gap 179°
Corr. 0.402 8M/4stn Msd 0.1

94/25940
DEC 16 0929 07.5s 37.22S 177.45E 12km M=4.3
0.5 0.03 0.02 R
Rsd 0.5s 21ph/16stn Dmin 42km Az.gap 184°
Corr. 0.089 9M/5stn Msd 0.2 1↑

94/25942
DEC 16 0940 45.1s 37.09S 177.53E 5km M=4.3
0.5 0.03 0.02 R
Rsd 0.4s 14ph/12stn Dmin 58km Az.gap 207°
Corr. 0.404 11M/6stn Msd 0.3 1↓

94/25944
DEC 16 1000 56.2s 37.25S 177.43E 12km M=3.9
0.2 0.01 0.01 R
Rsd 0.2s 11ph/9stn Dmin 38km Az.gap 187°
Corr. 0.207 8M/4stn Msd 0.1

94/25945
DEC 16 1001 28.1s 37.40S 177.43E 12km M=4.2
0.4 0.03 0.02 R
Rsd 0.3s 10ph/7stn Dmin 26km Az.gap 171°
Corr. 0.227 10M/5stn Msd 0.2

94/25950
DEC 16 1026 56.7s 37.08S 177.50E 12km M=3.8
0.5 0.04 0.03 R
Rsd 0.5s 15ph/12stn Dmin 57km Az.gap 190°
Corr. 0.533 26M/20stn Msd 0.2 1↑ 1↓

94/25952
DEC 16 1028 57.7s 37.29S 177.40E 12km M=3.9
0.2 0.02 0.02 R
Rsd 0.3s 9ph/7stn Dmin 32km Az.gap 176°
Corr. 0.619 8M/5stn Msd 0.2

94/25955
DEC 16 1038 11.2s 37.19S 177.49E 12km M=4.2
0.5 0.04 0.03 R
Rsd 0.4s 15ph/12stn Dmin 46km Az.gap 182°
Corr. 0.562 9M/5stn Msd 0.1

94/25964
DEC 16 1120 57.2s 37.31S 177.40E 12km M=4.1
0.2 0.01 0.01 R
Rsd 0.2s 15ph/11stn Dmin 31km Az.gap 169°
Corr. 0.723 10M/5stn Msd 0.1 1↑

94/25967
DEC 16 1155 50.3s 37.28S 177.52E 12km M=3.7
0.3 0.02 0.01 R
Rsd 0.2s 10ph/7stn Dmin 40km Az.gap 229°
Corr. -0.190 8M/5stn Msd 0.4 1↑

94/25971
DEC 16 1204 18.9s 37.33S 177.43E 12km M=3.8
0.2 0.01 0.01 R
Rsd 0.2s 15ph/12stn Dmin 31km Az.gap 180°
Corr. 0.109 8M/4stn Msd 0.1 2↑ 1↓

94/25983
DEC 16 1229 41.1s 37.29S 177.50E 12km M=4.6
0.3 0.02 0.01 R
Rsd 0.2s 18ph/15stn Dmin 38km Az.gap 174°
Corr. 0.262 12M/6stn Msd 0.2 1↑

94/25990
DEC 16 1247 06.8s 37.18S 177.41E 12km M=3.6
0.3 0.02 0.02 R
Rsd 0.4s 15ph/9stn Dmin 43km Az.gap 194°
Corr. 0.614 9M/5stn Msd 0.2 1↓

94/25999
DEC 16 1313 50.2s 37.23S 177.45E 12km M=4.4
0.4 0.03 0.02 R
Rsd 0.5s 19ph/15stn Dmin 41km Az.gap 177°
Corr. 0.470 12M/6stn Msd 0.3 1↑

94/26005
DEC 16 1333 58.0s 37.25S 177.44E 12km M=4.6
0.5 0.04 0.02 R
Rsd 0.6s 17ph/15stn Dmin 39km Az.gap 176°
Corr. 0.534 16M/8stn Msd 0.2 1↑ 7↓

94/26006
DEC 16 1337 04.9s 37.34S 177.38E 12km M=3.7
0.4 0.03 0.02 R
Rsd 0.5s 14ph/10stn Dmin 27km Az.gap 176°
Corr. 0.071 8M/4stn Msd 0.1 1↑

94/26007
DEC 16 1337 57.9s 37.34S 177.35E 12km M=3.5
0.5 0.03 0.02 R
Rsd 0.5s 11ph/8stn Dmin 25km Az.gap 175°
Corr. -0.084 8M/4stn Msd 0.1

94/26009
DEC 16 1339 12.9s 37.05S 177.43E 12km M=3.7
0.7 0.04 0.03 R
Rsd 0.3s 8ph/4stn Dmin 77km Az.gap 324°
Corr. 0.111 11M/5stn Msd 0.1

94/26028
DEC 16 1448 39.3s 39.85S 173.94E 141km M=3.6
0.3 0.01 0.02 3
Rsd 0.2s 34ph/27stn Dmin 57km Az.gap 139°
Corr. -0.200 14M/14stn Msd 0.3 6↑ 1↓

94/26035
DEC 16 1529 36.6s 37.24S 177.45E 12km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 11ph/8stn Dmin 40km Az.gap 176°
Corr. 0.585 8M/4stn Msd 0.2

94/26040
DEC 16 1547 21.5s 37.01S 177.39E 12km M=3.8
0.5 0.03 0.02 R
Rsd 0.2s 8ph/5stn Dmin 83km Az.gap 317°
Corr. -0.165 8M/4stn Msd 0.1

94/26050
DEC 16 1626 02.2s 37.32S 177.40E 12km M=4.3
0.3 0.02 0.01 R
Rsd 0.3s 14ph/11stn Dmin 29km Az.gap 168°
Corr. 0.358 11M/6stn Msd 0.1

94/26051
DEC 16 1629 49.9s 37.34S 177.39E 12km M=3.7
0.5 0.03 0.02 R
Rsd 0.4s 9ph/7stn Dmin 28km Az.gap 182°
Corr. 0.181 8M/4stn Msd 0.1

94/26052
DEC 16 1633 30.1s 37.01S 177.52E 12km M=3.9
0.5 0.04 0.03 R
Rsd 0.4s 13ph/7stn Dmin 75km Az.gap 195°
Corr. 0.758 8M/4stn Msd 0.1 1↑

94/26055
DEC 16 1649 47.5s 37.16S 177.46E 12km M=3.7
0.3 0.02 0.01 R
Rsd 0.2s 10ph/8stn Dmin 48km Az.gap 198°
Corr. 0.235 8M/4stn Msd 0.1

94/26057
DEC 16 1656 03.8s 37.20S 177.38E 12km M=3.7
0.2 0.01 0.01 R
Rsd 0.1s 12ph/7stn Dmin 69km Az.gap 183°
Corr. 0.505 8M/4stn Msd 0.1

94/26058
DEC 16 1700 29.8s 36.98S 177.54E 12km M=3.9
1.1 0.06 0.04 R
Rsd 0.4s 8ph/5stn Dmin 69km Az.gap 300°
Corr. 0.313 8M/5stn Msd 0.5

94/26061
DEC 16 1712 31.9s 37.06S 177.54E 12km M=3.7
0.4 0.03 0.03 R
Rsd 0.3s 10ph/10stn Dmin 60km Az.gap 199°
Corr. 0.700 8M/4stn Msd 0.1

94/26062
DEC 16 1713 17.7s 37.11S 177.42E 12km M=3.7
0.8 0.05 0.03 R
Rsd 0.4s 8ph/6stn Dmin 51km Az.gap 210°
Corr. 0.573 8M/5stn Msd 0.2

94/26063
DEC 16 1714 22.0s 37.04S 177.57E 12km M=3.8
0.4 0.02 0.03 R
Rsd 0.2s 9ph/7stn Dmin 70km Az.gap 202°
Corr. 0.522 8M/4stn Msd 0.1

94/26074
DEC 16 1757 00.3s 37.37S 177.38E 12km M=4.0
0.3 0.02 0.01 R
Rsd 0.4s 15ph/10stn Dmin 25km Az.gap 174°
Corr. 0.286 10M/5stn Msd 0.1 1↑

94/26094
DEC 16 1912 32.3s 37.20S 177.42E 12km M=4.0
0.3 0.02 0.01 R
Rsd 0.2s 14ph/10stn Dmin 41km Az.gap 183°
Corr. 0.071 8M/4stn Msd 0.1

94/26106
DEC 16 2010 42.9s 37.06S 177.48E 12km M=4.4
0.2 0.02 0.01 R
Rsd 0.2s 13ph/9stn Dmin 58km Az.gap 197°
Corr. 0.485 10M/5stn Msd 0.1

94/26111
DEC 16 2029 55.3s 37.34S 177.41E 12km M=4.5
0.2 0.01 0.01 R
Rsd 0.2s 16ph/12stn Dmin 29km Az.gap 168°
Corr. 0.650 17M/9stn Msd 0.3 1↑

94/26113
DEC 16 2034 51.0s 37.33S 177.40E 12km M=4.0
0.4 0.03 0.02 R
Rsd 0.4s 14ph/10stn Dmin 29km Az.gap 173°
Corr. 0.212 8M/4stn Msd 0.1 1↑

94/26114
DEC 16 2035 52.8s 37.34S 177.42E 12km M=4.3
0.3 0.02 0.02 R
Rsd 0.3s 11ph/8stn Dmin 29km Az.gap 167°
Corr. 0.209 8M/4stn Msd 0.1 1↓

94/26115
DEC 16 2037 28.8s 37.33S 177.38E 12km M=4.9
0.4 0.03 0.02 R
Rsd 0.4s 15ph/11stn Dmin 27km Az.gap 167°
Corr. 0.603 14M/7stn Msd 0.2

94/26124
DEC 16 2133 05.8s 37.03S 177.54E 12km M=3.5
0.9 0.04 0.05 R
Rsd 0.3s 7ph/5stn Dmin 73km Az.gap 321°
Corr. -0.346 11M/5stn Msd 0.1

94/26128
DEC 16 2210 18.1s 37.08S 177.47E 12km M=3.8
0.3 0.02 0.02 R
Rsd 0.2s 9ph/7stn Dmin 56km Az.gap 206°
Corr. 0.606 15M/8stn Msd 0.3

94/26129
DEC 16 2213 37.8s 37.02S 177.55E 12km M=4.4
0.4 0.03 0.02 R
Rsd 0.2s 13ph/11stn Dmin 65km Az.gap 196°
Corr. 0.260 9M/5stn Msd 0.2

94/26131
DEC 16 2227 23.8s 37.11S 177.48E 12km M=4.1
0.4 0.03 0.02 R
Rsd 0.2s 10ph/8stn Dmin 54km Az.gap 187°
Corr. 0.700 10M/6stn Msd 0.2

94/26132
DEC 16 2240 42.6s 37.06S 177.49E 12km M=3.8
0.2 0.02 0.01 R
Rsd 0.1s 9ph/7stn Dmin 73km Az.gap 208°
Corr. 0.623 9M/5stn Msd 0.1

94/26136
DEC 16 2254 28.6s 37.11S 177.42E 12km M=4.2
0.5 0.03 0.02 R
Rsd 0.3s 12ph/10stn Dmin 51km Az.gap 201°
Corr. 0.233 10M/5stn Msd 0.1

94/26138
DEC 16 2307 44.2s 37.15S 177.60E 12km M=4.1
0.3 0.02 0.02 R
Rsd 0.2s 8ph/7stn Dmin 58km Az.gap 208°
Corr. 0.636 11M/6stn Msd 0.3

94/26140
DEC 16 2342 35.7s 37.03S 177.51E 12km M=4.1
0.6 0.03 0.03 R
Rsd 0.2s 11ph/8stn Dmin 74km Az.gap 251°
Corr. 0.044 9M/5stn Msd 0.2

94/26144
DEC 17 0009 59.1s 37.01S 177.40E 12km M=3.6
0.3 0.01 0.01 R
Rsd 0.1s 9ph/6stn Dmin 82km Az.gap 198°
Corr. -0.303 14M/8stn Msd 0.2 1↓

94/26148
DEC 17 0053 27.6s 36.74S 177.04E 12km M=4.4
0.9 0.07 0.05 R
Rsd 0.3s 10ph/6stn Dmin 126km Az.gap 331°
Corr. 0.437 8M/4stn Msd 0.2

94/26156
DEC 17 0152 39.7s 37.24S 177.42E 5km M=3.8
0.2 0.01 0.01 R
Rsd 0.3s 13ph/10stn Dmin 38km Az.gap 188°
Corr. 0.275 11M/6stn Msd 0.2 1↓

94/26164
DEC 17 0215 08.0s 37.46S 177.48E 12km M=4.0
0.2 0.02 0.01 R
Rsd 0.3s 21ph/17stn Dmin 27km Az.gap 158°
Corr. 0.118 11M/6stn Msd 0.2

94/26167
DEC 17 0232 37.9s 37.22S 177.59E 12km M=3.5
1.2 0.07 0.04 R
Rsd 0.6s 10ph/7stn Dmin 49km Az.gap 258°
Corr. 0.318 11M/5stn Msd 0.2

94/26173
DEC 17 0255 57.0s 36.83S 176.33E 291km M=4.1
0.4 0.07 0.05 5
Rsd 0.2s 14ph/10stn Dmin 162km Az.gap 276°
Corr. -0.784 23M/20stn Msd 0.3

94/26186
DEC 17 0357 29.4s 37.47S 177.51E 5km M=4.9
0.3 0.02 0.01 R
Rsd 0.2s 22ph/17stn Dmin 30km Az.gap 158°
Corr. 0.234 16M/8stn Msd 0.1

94/26189
DEC 17 0419 28.3s 37.34S 177.41E 12km M=4.0
0.3 0.03 0.02 R
Rsd 0.5s 19ph/13stn Dmin 28km Az.gap 177°
Corr. 0.410 12M/6stn Msd 0.2

94/26192
DEC 17 0428 19.0s 37.17S 177.41E 12km M=3.7
0.8 0.05 0.04 R
Rsd 0.6s 10ph/7stn Dmin 69km Az.gap 185°
Corr. 0.412 8M/4stn Msd 0.4

94/26194
DEC 17 0435 29.3s 37.08S 177.49E 12km M=4.0
0.4 0.03 0.02 R
Rsd 0.4s 20ph/14stn Dmin 57km Az.gap 196°
Corr. 0.644 12M/6stn Msd 0.2

94/26198
DEC 17 0449 10.4s 37.07S 177.35E 12km M=3.9
0.9 0.06 0.03 R
Rsd 0.5s 12ph/8stn Dmin 52km Az.gap 245°
Corr. 0.210 9M/5stn Msd 0.2

94/26211
DEC 17 0549 04.0s 37.10S 177.40E 12km M=3.8
1.1 0.07 0.04 R
Rsd 0.6s 9ph/7stn Dmin 50km Az.gap 292°
Corr. -0.180 10M/5stn Msd 0.2 1↓

94/26216
DEC 17 0634 28.4s 37.04S 177.52E 12km M=3.7
1.0 0.07 0.03 R
Rsd 0.5s 12ph/9stn Dmin 62km Az.gap 251°
Corr. 0.194 13M/7stn Msd 0.2

94/26222
DEC 17 0711 46.9s 37.22S 177.49E 12km M=4.6
0.4 0.03 0.02 R
Rsd 0.4s 23ph/17stn Dmin 44km Az.gap 180°
Corr. 0.405 12M/6stn Msd 0.3

94/26238
DEC 17 0938 44.7s 36.77S 176.57E 284km M=4.0
0.8 0.19 0.24 19
Rsd 0.2s 12ph/7stn Dmin 152km Az.gap 270°
Corr. -0.691 22M/19stn Msd 0.3

94/26240
DEC 17 0949 29.5s 37.23S 177.40E 12km M=3.5
0.7 0.05 0.02 R
Rsd 0.3s 8ph/5stn Dmin 38km Az.gap 274°
Corr. -0.232 12M/5stn Msd 0.2

94/26246
DEC 17 1026 27.3s 37.21S 177.42E 12km M=3.7
0.4 0.03 0.02 R
Rsd 0.4s 14ph/11stn Dmin 41km Az.gap 192°
Corr. 0.457 10M/5stn Msd 0.2 1↑

94/26248
DEC 17 1029 22.0s 37.39S 177.33E 12km M=3.7
0.3 0.02 0.01 R
Rsd 0.3s 15ph/12stn Dmin 57km Az.gap 170°
Corr. 0.131 8M/4stn Msd 0.1 1↑

94/26263
DEC 17 1158 37.1s 37.39S 177.38E 12km M=3.6
0.3 0.02 0.02 R
Rsd 0.3s 15ph/10stn Dmin 53km Az.gap 172°
Corr. 0.079 8M/4stn Msd 0.1

94/26275
DEC 17 1257 52.7s 37.19S 177.41E 12km M=3.7
0.4 0.02 0.02 R
Rsd 0.2s 14ph/9stn Dmin 43km Az.gap 184°
Corr. 0.272 10M/5stn Msd 0.3

94/26281
DEC 17 1319 54.0s 36.84S 177.71E 15km M=3.7
0.5 0.02 0.03 4
Rsd 0.1s 9ph/6stn Dmin 84km Az.gap 323°
Corr. -0.397 12M/6stn Msd 0.3

94/26286
DEC 17 1350 52.5s 37.33S 177.46E 12km M=3.7
0.4 0.03 0.02 R
Rsd 0.5s 19ph/14stn Dmin 32km Az.gap 180°
Corr. 0.278 10M/5stn Msd 0.3 1↑

94/26288
DEC 17 1354 38.9s 37.12S 177.47E 12km M=4.3
0.4 0.03 0.02 R
Rsd 0.3s 18ph/15stn Dmin 52km Az.gap 186°
Corr. 0.381 12M/6stn Msd 0.2 1↑

94/26289
DEC 17 1355 52.5s 43.32S 171.57E 12km M=3.6
0.2 0.02 0.01 R
Rsd 0.2s 14ph/10stn Dmin 62km Az.gap 142°
Corr. -0.761 38M/34stn Msd 0.3

94/26325
DEC 17 1731 13.0s 37.29S 177.41E 12km M=4.2
0.1 0.01 0.01 R
Rsd 0.2s 18ph/12stn Dmin 33km Az.gap 171°
Corr. 0.684 12M/6stn Msd 0.2

94/26331
DEC 17 1807 14.8s 37.25S 177.40E 12km M=4.0
0.2 0.02 0.01 R
Rsd 0.3s 15ph/10stn Dmin 36km Az.gap 186°
Corr. 0.491 12M/7stn Msd 0.2

94/26334
DEC 17 1814 32.7s 36.95S 177.43E 12km M=3.6
0.1 0.01 0.01 R
Rsd 0.0s 5ph/3stn Dmin 85km Az.gap 341°
Corr. 0.379 8M/4stn Msd 0.1

94/26342
DEC 17 1911 57.5s 36.96S 177.48E 12km M=3.7
0.4 0.03 0.02 R
Rsd 0.2s 7ph/5stn Dmin 82km Az.gap 324°
Corr. 0.064 12M/6stn Msd 0.2 1↓

94/26346
DEC 17 1934 04.9s 37.29S 177.43E 12km M=4.2
0.4 0.03 0.01 R
Rsd 0.4s 16ph/13stn Dmin 34km Az.gap 183°
Corr. -0.009 13M/7stn Msd 0.2 1↑

94/26347
DEC 17 1935 59.1s 37.29S 177.53E 12km M=3.6
1.1 0.07 0.04 R
Rsd 0.7s 8ph/7stn Dmin 40km Az.gap 247°
Corr. 0.192 7M/5stn Msd 0.3 1↓

94/26350
DEC 17 1952 27.7s 36.99S 177.46E 12km M=3.5
0.5 0.03 0.02 R
Rsd 0.2s 10ph/7stn Dmin 64km Az.gap 300°
Corr. 0.216 12M/6stn Msd 0.1

94/26353
DEC 17 2005 15.0s 37.26S 177.40E 12km M=3.5
0.2 0.02 0.01 R
Rsd 0.2s 11ph/9stn Dmin 35km Az.gap 184°
Corr. 0.306 8M/4stn Msd 0.1 1↑ 1↓

94/26358
DEC 17 2144 52.6s 40.21S 174.86E 62km M=3.9
0.2 0.01 0.01 3
Rsd 0.2s 30ph/25stn Dmin 46km Az.gap 85°
Corr. 0.231 16M/13stn Msd 0.2 1↑

94/26359
DEC 17 2147 53.2s 37.00S 177.49E 12km M=3.6
1.2 0.07 0.05 R
Rsd 0.5s 7ph/4stn Dmin 64km Az.gap 299°
Corr. 0.274 9M/3stn Msd 0.1

94/26362
DEC 17 2228 56.7s 37.19S 177.56E 12km M=3.5
0.5 0.03 0.01 R
Rsd 0.2s 8ph/6stn Dmin 50km Az.gap 264°
Corr. 0.103 13M/6stn Msd 0.2

94/26365
DEC 17 2341 08.2s 41.33S 172.58E 190km M=4.5
0.4 0.02 0.02 3
Rsd 0.2s 33ph/26stn Dmin 55km Az.gap 153°
Corr. -0.464 20M/16stn Msd 0.2 4↑ 1↓

94/26367
DEC 18 0002 27.9s 37.32S 177.41E 12km M=3.8
0.5 0.03 0.02 R
Rsd 0.3s 12ph/10stn Dmin 58km Az.gap 178°
Corr. -0.044 10M/6stn Msd 0.3 1↑

94/26368
DEC 18 0017 26.2s 37.21S 177.43E 12km M=3.7
0.3 0.02 0.01 R
Rsd 0.2s 10ph/7stn Dmin 41km Az.gap 191°
Corr. 0.309 13M/7stn Msd 0.2

94/26375
DEC 18 0233 05.3s 38.09S 176.45E 161km M=4.0
1.6 0.07 0.05 13
Rsd 0.3s 14ph/13stn Dmin 11km Az.gap 92°
Corr. -0.196 17M/15stn Msd 0.3

94/26381
DEC 18 0413 08.5s 37.28S 177.47E 12km M=5.3
0.8 0.06 0.03 R
Rsd 0.6s 20ph/17stn Dmin 37km Az.gap 174°
Corr. 0.455 19M/10stn Msd 0.3 1↑
Felt Rukuhanga Stn (28) MM4.

94/26382
DEC 18 0414 51.8s 37.37S 177.42E 12km M=3.8
0.5 0.04 0.02 R
Rsd 0.5s 11ph/6stn Dmin 27km Az.gap 175°
Corr. 0.203 5M/5stn Msd 0.3

94/26383
DEC 18 0418 18.5s 37.33S 177.34E 12km M=3.6
0.4 0.03 0.02 R
Rsd 0.5s 9ph/6stn Dmin 26km Az.gap 180°
Corr. 0.619 6M/4stn Msd 0.3

94/26384
DEC 18 0419 35.3s 37.29S 177.43E 12km M=4.3
0.3 0.03 0.02 R
Rsd 0.4s 13ph/11stn Dmin 34km Az.gap 176°
Corr. 0.568 22M/15stn Msd 0.3

94/26385
DEC 18 0421 12.1s 37.32S 177.53E 12km M=4.8
0.8 0.05 0.03 R
Rsd 0.3s 11ph/10stn Dmin 38km Az.gap 173°
Corr. 0.596 29M/23stn Msd 0.3
Felt Rukuhanga Stn (28).

94/26387
DEC 18 0430 41.7s 37.29S 177.42E 12km M=4.1
0.5 0.03 0.02 R
Rsd 0.4s 18ph/14stn Dmin 33km Az.gap 183°
Corr. 0.260 8M/4stn Msd 0.3

94/26389
DEC 18 0431 44.5s 37.34S 177.28E 12km M=3.8
0.4 0.03 0.03 R
Rsd 0.3s 6ph/4stn Dmin 23km Az.gap 176°
Corr. 0.504 11M/5stn Msd 0.3

94/26390
DEC 18 0436 12.0s 37.16S 177.45E 12km M=3.8
0.2 0.02 0.01 R
Rsd 0.2s 11ph/9stn Dmin 67km Az.gap 197°
Corr. 0.629 14M/9stn Msd 0.2

94/26392
DEC 18 0443 04.1s 37.28S 177.45E 12km M=4.7
0.6 0.05 0.03 R
Rsd 0.5s 18ph/16stn Dmin 35km Az.gap 178°
Corr. 0.524 10M/5stn Msd 0.2
Felt Rukuhanga Stn (28).

94/26393
DEC 18 0444 11.3s 37.36S 177.37E 21km M=3.8
0.3 0.03 0.02 6
Rsd 0.2s 11ph/8stn Dmin 25km Az.gap 174°
Corr. -0.416 11M/9stn Msd 0.3

94/26394
DEC 18 0451 05.6s 37.28S 177.39E 12km M=4.1
0.3 0.02 0.02 R
Rsd 0.3s 14ph/10stn Dmin 32km Az.gap 171°
Corr. 0.402 8M/4stn Msd 0.2 1↑

94/26395
DEC 18 0458 39.8s 37.27S 177.44E 12km M=3.7
0.8 0.05 0.03 R
Rsd 0.4s 8ph/5stn Dmin 36km Az.gap 258°
Corr. -0.405 10M/5stn Msd 0.2

94/26396
DEC 18 0509 49.0s 37.23S 177.13E 12km M=3.6
0.4 0.06 0.05 R
Rsd 0.5s 8ph/5stn Dmin 82km Az.gap 176°
Corr. 0.904 10M/6stn Msd 0.2

94/26397
DEC 18 0517 43.0s 37.37S 177.50E 12km M=4.4
0.4 0.03 0.01 R
Rsd 0.4s 18ph/16stn Dmin 33km Az.gap 167°
Corr. 0.082 8M/4stn Msd 0.2 1↑

94/26402
DEC 18 0607 08.4s 37.40S 177.46E 5km M=3.7
0.1 0.01 0.00 R
Rsd 0.1s 11ph/9stn Dmin 28km Az.gap 163°
Corr. -0.050 15M/10stn Msd 0.3

94/26403
DEC 18 0608 33.8s 37.30S 177.39E 12km M=4.0
0.2 0.01 0.01 R
Rsd 0.2s 9ph/6stn Dmin 31km Az.gap 181°
Corr. 0.208 18M/14stn Msd 0.3

94/26404
DEC 18 0608 51.3s 37.23S 177.40E 12km M=4.7
0.4 0.02 0.02 R
Rsd 0.2s 11ph/9stn Dmin 38km Az.gap 195°
Corr. 0.754 9M/5stn Msd 0.3

94/26405
DEC 18 0616 10.1s 37.28S 177.35E 12km M=3.7
1.3 0.08 0.04 R
Rsd 0.7s 6ph/4stn Dmin 31km Az.gap 270°
Corr. -0.334 8M/3stn Msd 0.2

94/26406
DEC 18 0618 29.5s 37.19S 177.32E 12km M=3.8
0.3 0.02 0.01 R
Rsd 0.3s 13ph/9stn Dmin 39km Az.gap 189°
Corr. 0.286 17M/10stn Msd 0.2

94/26408
DEC 18 0716 10.9s 37.23S 177.44E 12km M=4.1
0.3 0.02 0.02 R
Rsd 0.4s 18ph/14stn Dmin 40km Az.gap 176°
Corr. 0.466 23M/16stn Msd 0.2

94/26410
DEC 18 0801 47.3s 37.31S 177.37E 12km M=3.9
0.3 0.02 0.02 R
Rsd 0.4s 10ph/8stn Dmin 29km Az.gap 180°
Corr. 0.388 13M/6stn Msd 0.3 1↑

94/26411
DEC 18 0822 36.4s 37.33S 177.42E 12km M=4.1
0.3 0.02 0.01 R
Rsd 0.2s 12ph/11stn Dmin 30km Az.gap 168°
Corr. -0.024 9M/5stn Msd 0.2 1↑

94/26412
DEC 18 0831 30.0s 37.22S 177.29E 12km M=3.8
0.3 0.02 0.01 R
Rsd 0.2s 9ph/6stn Dmin 75km Az.gap 191°
Corr. 0.578 12M/5stn Msd 0.2

94/26417
DEC 18 0853 41.2s 37.04S 177.58E 12km M=4.3
0.8 0.04 0.04 R
Rsd 0.5s 10ph/7stn Dmin 69km Az.gap 196°
Corr. -0.007 8M/4stn Msd 0.2

94/26419
DEC 18 0856 25.3s 37.05S 177.51E 12km M=3.6
1.2 0.06 0.04 R
Rsd 0.3s 5ph/3stn Dmin 72km Az.gap 319°
Corr. -0.247 5M/2stn Msd 0.1

94/26421
DEC 18 0908 55.9s 37.21S 177.44E 12km M=3.9
0.3 0.02 0.02 R
Rsd 0.3s 10ph/7stn Dmin 42km Az.gap 200°
Corr. 0.543 8M/4stn Msd 0.3

94/26434
DEC 18 1217 44.5s 37.13S 177.49E 12km M=4.3
0.3 0.02 0.01 R
Rsd 0.3s 14ph/13stn Dmin 51km Az.gap 186°
Corr. 0.606 9M/5stn Msd 0.2 1↑ 3↓

94/26435
DEC 18 1220 14.6s 37.06S 177.45E 12km M=3.7
1.0 0.05 0.04 R
Rsd 0.3s 6ph/4stn Dmin 74km Az.gap 318°
Corr. -0.333 7M/3stn Msd 0.1

94/26439
DEC 18 1319 01.4s 37.35S 177.41E 19km M=4.4
0.3 0.02 0.02 5
Rsd 0.2s 14ph/10stn Dmin 28km Az.gap 167°
Corr. -0.304 8M/4stn Msd 0.2

94/26445
DEC 18 1452 47.4s 37.26S 177.45E 12km M=3.9
0.5 0.04 0.02 R
Rsd 0.6s 18ph/14stn Dmin 38km Az.gap 175°
Corr. 0.438 8M/4stn Msd 0.3 1↑

94/26449
DEC 18 1524 40.8s 37.24S 177.40E 12km M=3.8
0.4 0.03 0.02 R
Rsd 0.5s 14ph/12stn Dmin 37km Az.gap 180°
Corr. 0.382 22M/16stn Msd 0.3 1↑

94/26451
DEC 18 1543 44.9s 37.03S 177.51E 12km M=4.5
0.4 0.03 0.02 R
Rsd 0.3s 17ph/14stn Dmin 62km Az.gap 193°
Corr. 0.565 8M/4stn Msd 0.3

94/26453
DEC 18 1608 47.6s 37.26S 177.39E 12km M=3.6
0.3 0.03 0.02 R
Rsd 0.4s 9ph/6stn Dmin 35km Az.gap 191°
Corr. 0.597 8M/4stn Msd 0.3

94/26454
DEC 18 1617 39.4s 37.09S 177.46E 12km M=3.8
0.5 0.05 0.04 R
Rsd 0.5s 8ph/6stn Dmin 72km Az.gap 203°
Corr. 0.815 8M/4stn Msd 0.2

94/26457
DEC 18 1642 26.3s 37.35S 177.46E 12km M=3.6
0.4 0.03 0.01 R
Rsd 0.2s 6ph/4stn Dmin 31km Az.gap 244°
Corr. 0.047 7M/3stn Msd 0.2

94/26460
DEC 18 1735 42.1s 37.31S 177.40E 12km M=3.8
0.2 0.02 0.01 R
Rsd 0.3s 7ph/5stn Dmin 31km Az.gap 185°
Corr. 0.485 7M/3stn Msd 0.1 1↓

94/26462
DEC 18 1808 54.3s 37.20S 177.43E 12km M=3.6
0.3 0.03 0.03 R
Rsd 0.4s 9ph/7stn Dmin 66km Az.gap 192°
Corr. 0.714 15M/11stn Msd 0.2

94/26463
DEC 18 1817 23.5s 37.00S 177.46E 12km M=3.9
0.5 0.03 0.02 R
Rsd 0.2s 5ph/3stn Dmin 79km Az.gap 321°
Corr. 0.111 7M/3stn Msd 0.1

94/26464
DEC 18 1820 06.2s 37.20S 177.37E 12km M=4.1
0.2 0.02 0.01 R
Rsd 0.2s 11ph/8stn Dmin 40km Az.gap 176°
Corr. 0.648 17M/13stn Msd 0.3

94/26468
DEC 18 1907 13.3s 37.25S 177.55E 12km M=3.9
1.0 0.07 0.03 R
Rsd 0.6s 8ph/6stn Dmin 44km Az.gap 264°
Corr. 0.025 7M/3stn Msd 0.1 1↑ 1↓

94/26469
DEC 18 1917 08.7s 37.21S 177.47E 12km M=3.9
0.5 0.04 0.02 R
Rsd 0.4s 9ph/6stn Dmin 43km Az.gap 201°
Corr. 0.459 8M/3stn Msd 0.2

94/26475
DEC 18 2123 45.7s 37.19S 177.40E 12km M=3.6
0.2 0.02 0.01 R
Rsd 0.2s 9ph/6stn Dmin 42km Az.gap 192°
Corr. 0.565 8M/5stn Msd 0.3

94/26479
DEC 18 2155 12.2s 36.86S 176.77E 12km M=3.7
0.4 0.02 0.03 R
Rsd 0.2s 5ph/3stn Dmin 134km Az.gap 331°
Corr. 0.222 2M/2stn Msd 0.2

94/26482
DEC 18 2249 33.0s 37.30S 177.39E 12km M=3.7
0.4 0.03 0.03 R
Rsd 0.5s 12ph/10stn Dmin 31km Az.gap 181°
Corr. 0.459 23M/16stn Msd 0.2 1↑ 1↓

94/26491
DEC 19 0317 27.3s 38.05S 178.48E 49km M=4.6
0.7 0.03 0.05 3
Rsd 0.1s 13ph/12stn Dmin 20km Az.gap 230°
Corr. -0.889 19M/16stn Msd 0.3 1↓

94/26493
DEC 19 0506 57.3s 38.64S 175.80E 157km M=3.9
1.1 0.05 0.03 9
Rsd 0.1s 14ph/13stn Dmin 46km Az.gap 238°
Corr. 0.736 12M/12stn Msd 0.3

94/26494
DEC 19 0718 54.1s 39.10S 174.88E 221km M=4.5
0.6 0.02 0.02 5
Rsd 0.2s 38ph/33stn Dmin 45km Az.gap 92°
Corr. -0.214 18M/16stn Msd 0.2 1↑

94/26498
DEC 19 1119 06.2s 37.11S 177.47E 12km M=4.0
0.4 0.04 0.03 R
Rsd 0.4s 10ph/8stn Dmin 53km Az.gap 193°
Corr. 0.573 16M/13stn Msd 0.2

94/26501
DEC 19 1308 32.6s 37.09S 177.51E 12km M=3.7
0.6 0.06 0.05 R
Rsd 0.6s 8ph/6stn Dmin 90km Az.gap 196°
Corr. 0.864 8M/6stn Msd 0.3

94/26504
DEC 19 1506 35.8s 40.37S 174.73E 23km M=1.7
1.9 0.10 0.04 12
Rsd 0.2s 6ph/5stn Dmin 57km Az.gap 323°
Corr. -0.638 2M/2stn Msd 0.2
Felt Wanganui (57) MM4.

94/26505
DEC 19 1523 06.2s 37.10S 177.55E 12km M=3.8
0.6 0.06 0.05 R
Rsd 0.7s 9ph/8stn Dmin 87km Az.gap 191°
Corr. 0.734 13M/9stn Msd 0.2

94/26508
DEC 19 1613 56.3s 37.64S 175.76E 128km M=4.1
0.8 0.12 0.15 39
Rsd 0.3s 19ph/16stn Dmin 224km Az.gap 249°
Corr. -0.954 17M/15stn Msd 0.2

94/26515
DEC 19 2018 09.5s 37.06S 177.49E 12km M=4.1
0.8 0.12 0.09 R
Rsd 0.9s 9ph/6stn Dmin 94km Az.gap 191°
Corr. 0.928 10M/7stn Msd 0.3

94/26524
DEC 19 2317 34.8s 36.82S 177.68E 12km M=3.9
0.9 0.07 0.04 R
Rsd 0.4s 10ph/9stn Dmin 90km Az.gap 236°
Corr. 0.801 18M/15stn Msd 0.3

94/26527
DEC 20 0244 15.8s 37.03S 177.48E 12km M=3.6
1.1 0.11 0.07 R
Rsd 0.5s 6ph/5stn Dmin 96km Az.gap 210°
Corr. 0.846 7M/5stn Msd 0.3

94/26528
DEC 20 0358 51.9s 37.00S 177.52E 12km M=4.3
0.4 0.04 0.02 R
Rsd 0.3s 8ph/6stn Dmin 97km Az.gap 215°
Corr. 0.828 17M/12stn Msd 0.3

94/26529
DEC 20 0419 36.1s 41.28S 173.07E 116km M=3.7
0.4 0.03 0.02 4
Rsd 0.3s 20ph/16stn Dmin 55km Az.gap 190°
Corr. -0.632 14M/14stn Msd 0.2

94/26531
DEC 20 0522 47.8s 37.14S 177.39E 12km M=3.7
0.5 0.06 0.04 R
Rsd 0.6s 8ph/6stn Dmin 47km Az.gap 188°
Corr. 0.772 6M/4stn Msd 0.3

94/26532
DEC 20 0651 35.3s 41.92S 174.08E 21km M=3.7
0.2 0.02 0.01 3
Rsd 0.4s 27ph/20stn Dmin 22km Az.gap 153°
Corr. -0.574 23M/18stn Msd 0.1

94/26543
DEC 20 1247 53.1s 37.05S 177.45E 12km M=4.3
0.6 0.05 0.02 R
Rsd 0.4s 12ph/10stn Dmin 58km Az.gap 190°
Corr. 0.530 8M/4stn Msd 0.1 1↑ 1↓

94/26544
DEC 20 1423 03.2s 40.51S 174.99E 55km M=4.6
0.1 0.00 0.01 5
Rsd 0.2s 40ph/34stn Dmin 40km Az.gap 75°
Corr. 0.016 15M/9stn Msd 0.3 7↑ 5↓
Felt Manawatu to Wellington, maximum intensity MM4.

94/26559
DEC 20 1635 25.4s 37.08S 177.50E 12km M=4.2
0.7 0.09 0.07 R
Rsd 0.6s 9ph/7stn Dmin 91km Az.gap 190°
Corr. 0.897 12M/7stn Msd 0.2

94/26563
DEC 20 1652 30.8s 36.96S 177.59E 12km M=3.8
0.2 0.02 0.03 4
Rsd 0.1s 9ph/6stn Dmin 95km Az.gap 209°
Corr. 0.874 7M/5stn Msd 0.3

94/26569
DEC 20 1743 09.9s 36.98S 177.58E 12km M=3.6
0.3 0.03 0.03 R
Rsd 0.1s 7ph/5stn Dmin 94km Az.gap 206°
Corr. 0.923 4M/4stn Msd 0.2

94/26584
DEC 20 2050 07.9s 37.14S 177.45E 12km M=4.0
0.4 0.04 0.02 R
Rsd 0.4s 10ph/7stn Dmin 49km Az.gap 184°
Corr. 0.485 23M/18stn Msd 0.3

94/26587
DEC 20 2332 42.5s 37.10S 177.46E 12km M=3.7
1.0 0.11 0.06 R
Rsd 0.7s 6ph/4stn Dmin 92km Az.gap 203°
Corr. 0.742 15M/12stn Msd 0.3

94/26596
DEC 21 0326 37.9s 41.37S 174.73E 55km M=3.6
0.1 0.01 0.01 1
Rsd 0.2s 33ph/26stn Dmin 10km Az.gap 108°
Corr. -0.383 16M/13stn Msd 0.3 5↑ 8↓

94/26604
DEC 21 0548 30.7s 37.16S 177.43E 12km M=3.9
0.3 0.03 0.02 R
Rsd 0.2s 10ph/8stn Dmin 91km Az.gap 197°
Corr. 0.686 16M/10stn Msd 0.3

94/26612
DEC 21 1030 39.6s 40.62S 175.45E 32km M=3.7
0.1 0.01 0.01 2
Rsd 0.3s 28ph/26stn Dmin 12km Az.gap 57°
Corr. -0.421 33M/28stn Msd 0.2 1↑ 1↓

94/26615
DEC 21 1312 12.8s 38.45S 176.13E 178km M=3.7
0.9 0.03 0.02 7
Rsd 0.1s 13ph/11stn Dmin 80km Az.gap 214°
Corr. -0.381 16M/14stn Msd 0.2

94/26621
DEC 21 1705 23.1s 36.99S 177.57E 12km M=3.6
0.8 0.09 0.07 R
Rsd 0.4s 6ph/4stn Dmin 94km Az.gap 217°
Corr. 0.940 5M/5stn Msd 0.2

94/26623
DEC 21 1931 45.9s 37.58S 179.44E 12km M=3.7
0.5 0.02 0.03 R
Rsd 0.2s 6ph/4stn Dmin 101km Az.gap 302°
Corr. -0.197 6M/4stn Msd 0.3

94/26626
DEC 21 2348 45.2s 37.24S 177.40E 12km M=3.8
0.4 0.05 0.03 R
Rsd 0.5s 8ph/6stn Dmin 37km Az.gap 180°
Corr. 0.760 7M/5stn Msd 0.2 1↓

94/26630
DEC 22 0221 58.8s 38.36S 176.01E 197km M=3.8
0.8 0.05 0.04 6
Rsd 0.1s 13ph/12stn Dmin 152km Az.gap 316°
Corr. -0.367 9M/9stn Msd 0.2

94/26632
DEC 22 0419 45.8s 37.14S 177.45E 12km M=3.8
0.5 0.05 0.03 R
Rsd 0.6s 9ph/6stn Dmin 49km Az.gap 189°
Corr. 0.680 7M/4stn Msd 0.4 1↓

94/26644
DEC 22 1016 27.1s 45.23S 167.23E 79km M=4.6
0.2 0.01 0.01 2
Rsd 0.1s 18ph/14stn Dmin 83km Az.gap 234°
Corr. 0.026 10M/5stn Msd 0.1 1↑ 9↓
Felt Te Anau Downs Homestead (130) MM4.

94/26646
DEC 22 1025 55.7s 37.19S 177.41E 12km M=3.7
0.3 0.03 0.02 R
Rsd 0.4s 9ph/6stn Dmin 42km Az.gap 192°
Corr. 0.613 7M/5stn Msd 0.1

94/26658
DEC 22 1822 00.5s 37.22S 177.43E 12km M=3.7
1.1 0.09 0.03 R
Rsd 0.6s 7ph/5stn Dmin 40km Az.gap 233°
Corr. 0.050 6M/4stn Msd 0.3 1↓

94/26660
DEC 22 2019 59.7s 36.90S 177.75E 12km M=3.7
0.3 0.03 0.02 R
Rsd 0.1s 8ph/6stn Dmin 86km Az.gap 220°
Corr. 0.925 5M/3stn Msd 0.3

94/26661
DEC 22 2033 13.0s 37.12S 177.46E 12km M=3.8
0.7 0.08 0.06 R
Rsd 0.9s 9ph/7stn Dmin 51km Az.gap 192°
Corr. 0.784 10M/6stn Msd 0.2 1↓

94/26671
DEC 23 0630 19.3s 40.96S 175.01E 5km M=3.7
0.1 0.01 0.00 R
Rsd 0.2s 24ph/20stn Dmin 13km Az.gap 59°
Corr. -0.067 36M/31stn Msd 0.3 4↑ 6↓
Felt Kapiti coast (65) MM4.

94/26672
DEC 23 0750 31.5s 37.15S 177.59E 166km M=3.9
1.0 0.06 0.06 9
Rsd 0.4s 13ph/11stn Dmin 80km Az.gap 243°
Corr. -0.304 11M/10stn Msd 0.2

94/26694
DEC 23 2126 04.4s 37.17S 177.47E 12km M=4.7
0.4 0.03 0.02 R
Rsd 0.3s 14ph/12stn Dmin 47km Az.gap 182°
Corr. 0.589 12M/6stn Msd 0.3 1↑

94/26701
DEC 24 0131 53.5s 44.83S 167.33E 5km M=3.8
0.3 0.01 0.02 R
Rsd 0.1s 19ph/16stn Dmin 50km Az.gap 243°
Corr. -0.802 20M/14stn Msd 0.2 2↑ 3↓

94/26702
DEC 24 0134 16.0s 44.83S 167.33E 5km M=3.6
0.3 0.01 0.01 R
Rsd 0.1s 19ph/15stn Dmin 50km Az.gap 266°
Corr. -0.770 20M/16stn Msd 0.2 1↑

94/26709
DEC 24 0505 35.5s 37.22S 177.41E 12km M=3.8
0.6 0.07 0.04 R
Rsd 0.6s 7ph/6stn Dmin 40km Az.gap 183°
Corr. 0.660 11M/7stn Msd 0.4 1↓

94/26713
DEC 24 0650 14.3s 37.08S 177.46E 12km M=4.0
0.8 0.08 0.08 R
Rsd 0.7s 9ph/7stn Dmin 55km Az.gap 188°
Corr. 0.867 15M/11stn Msd 0.3

94/26718
DEC 24 0859 50.5s 37.07S 177.48E 12km M=5.5
0.6 0.04 0.02 R
Rsd 0.3s 16ph/13stn Dmin 57km Az.gap 190°
Corr. 0.543 15M/8stn Msd 0.3 1↑
Felt Rukuhanga Stn (28) and Opotiki (35) MM4.

94/26719
DEC 24 0906 20.0s 37.19S 177.45E 12km M=3.7
0.8 0.08 0.06 R
Rsd 0.8s 9ph/7stn Dmin 44km Az.gap 180°
Corr. 0.758 7M/6stn Msd 0.3

94/26720
DEC 24 0913 06.2s 37.48S 177.36E 12km M=3.6
0.6 0.08 0.04 R
Rsd 0.7s 6ph/5stn Dmin 16km Az.gap 160°
Corr. 0.618 8M/4stn Msd 0.3

94/26731
DEC 24 1417 15.1s 39.77S 175.45E 72km M=4.2
0.3 0.01 0.01 5
Rsd 0.3s 37ph/30stn Dmin 45km Az.gap 83°
Corr. 0.515 17M/14stn Msd 0.2 2↑ 2↓

94/26735
DEC 24 1619 52.6s 40.41S 173.66E 127km M=3.5
0.3 0.01 0.01 3
Rsd 0.2s 38ph/28stn Dmin 49km Az.gap 145°
Corr. 0.130 15M/13stn Msd 0.3 2↑ 2↓

94/26740
DEC 24 1919 03.2s 37.26S 177.39E 12km M=3.6
1.0 0.08 0.04 R
Rsd 0.7s 7ph/5stn Dmin 34km Az.gap 184°
Corr. 0.111 6M/4stn Msd 0.4

94/26742
DEC 24 2127 26.2s 37.29S 177.38E 12km M=3.8
0.2 0.03 0.02 R
Rsd 0.3s 10ph/8stn Dmin 31km Az.gap 170°
Corr. 0.715 13M/9stn Msd 0.2 1↓

94/26743
DEC 24 2132 48.3s 37.16S 177.43E 12km M=4.1
0.3 0.03 0.02 R
Rsd 0.4s 13ph/10stn Dmin 47km Az.gap 182°
Corr. 0.449 18M/13stn Msd 0.2 1↑

94/26756
DEC 25 0254 53.8s 37.92S 176.41E 170km M=4.2
0.8 0.04 0.02 7
Rsd 0.3s 10ph/7stn Dmin 72km Az.gap 164°
Corr. -0.469 21M/18stn Msd 0.2

94/26759
DEC 25 0447 37.1s 37.15S 177.52E 12km M=3.7
0.8 0.06 0.03 R
Rsd 0.3s 6ph/5stn Dmin 51km Az.gap 201°
Corr. 0.460 6M/4stn Msd 0.6

94/26768
DEC 25 0923 09.6s 37.98S 176.20E 168km M=4.1
0.6 0.03 0.02 5
Rsd 0.2s 11ph/8stn Dmin 54km Az.gap 155°
Corr. -0.430 17M/15stn Msd 0.3

94/26776
DEC 25 1541 59.3s 37.25S 177.41E 12km M=3.9
0.4 0.03 0.02 R
Rsd 0.4s 11ph/8stn Dmin 37km Az.gap 180°
Corr. 0.486 20M/16stn Msd 0.3 1↑

94/26783
DEC 25 1853 11.2s 43.56S 172.50E 12km M=3.5
0.2 0.01 0.01 R
Rsd 0.1s 13ph/9stn Dmin 88km Az.gap 179°
Corr. -0.412 17M/13stn Msd 0.2 1↑

94/26784
DEC 25 2034 51.4s 37.15S 177.47E 22km M=4.3
0.5 0.04 0.01 5
Rsd 0.3s 13ph/11stn Dmin 49km Az.gap 199°
Corr. 0.263 23M/17stn Msd 0.2

94/26787
DEC 25 2205 52.6s 37.25S 177.43E 12km M=3.8
0.3 0.03 0.02 R
Rsd 0.3s 7ph/5stn Dmin 38km Az.gap 187°
Corr. 0.581 6M/4stn Msd 0.8

94/26793
DEC 26 0326 16.9s 37.12S 177.45E 5km M=3.7
0.4 0.03 0.02 R
Rsd 0.4s 13ph/10stn Dmin 51km Az.gap 200°
Corr. 0.672 14M/9stn Msd 0.3

94/26795
DEC 26 0436 09.2s 37.25S 176.11E 124km M=3.6
0.5 0.08 0.11 31
Rsd 0.2s 11ph/7stn Dmin 198km Az.gap 267°
Corr. -0.943 4M/4stn Msd 0.1

94/26800
DEC 26 0757 33.5s 35.22S 178.84E 225km M=4.3
0.9 0.04 0.06 9
Rsd 0.2s 11ph/8stn Dmin 269km Az.gap 291°
Corr. 0.446 9M/7stn Msd 0.3

94/26802
DEC 26 1127 25.6s 47.22S 166.00E 33km M=5.1
0.3 0.02 0.02 R
Rsd 0.1s 18ph/14stn Dmin 167km Az.gap 311°
Corr. 0.413 12M/7stn Msd 0.2 1↑ 2↓

94/26803
DEC 26 1143 42.7s 37.02S 177.47E 5km M=4.1
0.4 0.03 0.02 R
Rsd 0.2s 13ph/10stn Dmin 62km Az.gap 193°
Corr. 0.626 20M/15stn Msd 0.3

94/26804
DEC 26 1147 14.2s 37.31S 179.66W 12km M=4.1
4.0 0.15 0.30 R
Rsd 0.9s 8ph/6stn Dmin 183km Az.gap 305°
Corr. -0.179 8M/6stn Msd 0.3

94/26807
DEC 26 1202 16.3s 37.18S 177.43E 12km M=3.7
0.5 0.05 0.04 R
Rsd 0.6s 9ph/6stn Dmin 44km Az.gap 185°
Corr. 0.663 8M/6stn Msd 0.5 1↓

94/26808
DEC 26 1229 30.7s 36.94S 177.65E 12km M=3.7
1.2 0.08 0.03 R
Rsd 0.3s 7ph/6stn Dmin 77km Az.gap 262°
Corr. 0.520 10M/10stn Msd 0.5 1↑

94/26809
DEC 26 1236 21.7s 37.22S 177.44E 12km M=4.1
0.4 0.04 0.03 R
Rsd 0.4s 8ph/7stn Dmin 41km Az.gap 177°
Corr. 0.678 19M/14stn Msd 0.2 1↓

94/26814
DEC 26 1336 21.4s 37.66S 176.35E 214km M=3.7
0.6 0.05 0.03 5
Rsd 0.2s 10ph/7stn Dmin 71km Az.gap 132°
Corr. 0.712 8M/8stn Msd 0.2

94/26818
DEC 26 1606 07.8s 37.18S 177.44E 12km M=4.7
0.3 0.03 0.02 R
Rsd 0.3s 9ph/7stn Dmin 44km Az.gap 180°
Corr. 0.595 12M/6stn Msd 0.2

94/26820
DEC 26 1651 29.6s 41.18S 174.54E 42km M=3.5
0.1 0.01 0.01 2
Rsd 0.3s 23ph/20stn Dmin 15km Az.gap 92°
Corr. -0.333 11M/8stn Msd 0.2 1↑ 2↓

94/26821
DEC 26 1720 01.3s 37.17S 176.48E 210km M=3.8
1.7 0.17 0.27 40
Rsd 0.5s 11ph/8stn Dmin 168km Az.gap 250°
Corr. -0.918 9M/9stn Msd 0.1

94/26827
DEC 26 2110 53.2s 37.28S 177.32E 12km M=3.6
0.5 0.05 0.03 R
Rsd 0.7s 8ph/6stn Dmin 30km Az.gap 180°
Corr. 0.565 7M/5stn Msd 0.4 1↓

94/26833
DEC 27 0140 37.5s 37.17S 177.37E 12km M=3.7
0.7 0.06 0.04 R
Rsd 0.6s 8ph/6stn Dmin 43km Az.gap 184°
Corr. 0.482 7M/5stn Msd 0.5 1↑

94/26858
DEC 27 1414 29.2s 36.97S 177.67E 12km M=3.7
0.8 0.06 0.02 R
Rsd 0.3s 6ph/5stn Dmin 75km Az.gap 261°
Corr. 0.732 5M/4stn Msd 0.7

94/26874
DEC 28 0905 11.6s 37.20S 177.42E 5km M=3.6
0.2 0.02 0.01 R
Rsd 0.2s 10ph/7stn Dmin 42km Az.gap 192°
Corr. 0.601 14M/13stn Msd 0.2

94/26875
DEC 28 0915 17.5s 37.17S 177.41E 5km M=3.9
0.4 0.02 0.02 R
Rsd 0.3s 11ph/10stn Dmin 45km Az.gap 181°
Corr. 0.571 21M/19stn Msd 0.3 2↑ 2↓

94/26882
DEC 28 1621 14.7s 36.95S 177.57E 12km M=4.4
0.6 0.04 0.02 R
Rsd 0.2s 13ph/12stn Dmin 73km Az.gap 201°
Corr. 0.515 8M/4stn Msd 0.2

94/26883
DEC 28 1627 14.5s 37.09S 177.50E 12km M=3.5
0.3 0.03 0.02 R
Rsd 0.4s 10ph/8stn Dmin 56km Az.gap 196°
Corr. 0.503 12M/12stn Msd 0.3

94/26890
DEC 28 1849 35.6s 37.13S 177.69E 12km M=3.7
0.4 0.04 0.02 R
Rsd 0.3s 8ph/6stn Dmin 63km Az.gap 201°
Corr. 0.771 6M/5stn Msd 0.4 1↓

94/26896
DEC 28 1942 12.2s 37.17S 177.30E 12km M=3.6
0.4 0.03 0.03 R
Rsd 0.4s 9ph/7stn Dmin 41km Az.gap 182°
Corr. 0.737 12M/10stn Msd 0.3 1↓

94/26897
DEC 28 2011 00.3s 36.96S 177.51E 12km M=4.1
0.4 0.03 0.02 R
Rsd 0.2s 11ph/9stn Dmin 69km Az.gap 198°
Corr. 0.466 20M/18stn Msd 0.3 1↑

94/26899
DEC 28 2017 45.1s 36.99S 177.51E 12km M=3.7
0.8 0.06 0.03 R
Rsd 0.5s 10ph/8stn Dmin 66km Az.gap 203°
Corr. 0.270 14M/12stn Msd 0.4 1↓

94/26900
DEC 28 2026 09.1s 36.99S 177.49E 5km M=3.7
1.2 0.11 0.08 R
Rsd 0.7s 9ph/7stn Dmin 65km Az.gap 201°
Corr. 0.818 9M/7stn Msd 0.5

94/26903
DEC 28 2316 48.4s 37.24S 177.39E 12km M=4.4
0.4 0.04 0.03 R
Rsd 0.6s 16ph/14stn Dmin 37km Az.gap 175°
Corr. 0.261 30M/23stn Msd 0.4 1↑

94/26905
DEC 29 0111 05.5s 37.11S 177.46E 12km M=3.7
0.6 0.07 0.04 R
Rsd 0.6s 9ph/8stn Dmin 52km Az.gap 186°
Corr. 0.672 12M/11stn Msd 0.4

94/26906
DEC 29 0402 09.0s 36.73S 177.83E 12km M=4.3
1.2 0.06 0.06 R
Rsd 0.2s 10ph/9stn Dmin 105km Az.gap 248°
Corr. 0.847 18M/15stn Msd 0.4

94/26907
DEC 29 0510 51.0s 36.37S 177.17E 12km M=3.8
1.4 0.11 0.06 R
Rsd 0.8s 7ph/4stn Dmin 137km Az.gap 224°
Corr. 0.182 6M/4stn Msd 0.4

94/26908
DEC 29 0554 09.9s 47.88S 165.34E 12km M=3.8
1.3 0.11 0.11 R
Rsd 0.4s 5ph/3stn Dmin 239km Az.gap 340°
Corr. -0.360 2M/2stn Msd 0.1

94/26917
DEC 29 1258 50.9s 37.30S 177.43E 12km M=3.6
0.2 0.01 0.01 R
Rsd 0.2s 9ph/7stn Dmin 33km Az.gap 176°
Corr. 0.262 13M/11stn Msd 0.4

94/26923
DEC 29 1600 09.4s 38.39S 176.07E 203km M=3.6
0.5 0.02 0.02 5
Rsd 0.1s 7ph/6stn Dmin 83km Az.gap 245°
Corr. -0.578 2M/2stn Msd 0.6

94/26931
DEC 29 2215 14.4s 39.31S 175.43E 12km M=4.0
0.1 0.01 0.01 R
Rsd 0.2s 25ph/20stn Dmin 13km Az.gap 72°
Corr. -0.318 8M/4stn Msd 0.6 3↑ 3↓

94/26945
DEC 30 0354 24.5s 37.53S 176.85E 179km M=3.7
1.4 0.06 0.04 14
Rsd 0.2s 9ph/8stn Dmin 128km Az.gap 216°
Corr. -0.419 5M/5stn Msd 0.3

94/26953
DEC 30 1558 53.6s 37.30S 177.33E 12km M=3.6
0.4 0.03 0.03 R
Rsd 0.3s 7ph/5stn Dmin 28km Az.gap 218°
Corr. 0.870 4M/4stn Msd 0.1

94/26972
DEC 31 0525 30.5s 37.26S 177.34E 12km M=4.0
0.4 0.05 0.03 R
Rsd 0.6s 6ph/4stn Dmin 33km Az.gap 171°
Corr. 0.529 5M/3stn Msd 0.4

94/26979
DEC 31 0954 22.7s 38.40S 175.71E 180km M=3.9
0.8 0.02 0.03 7
Rsd 0.2s 16ph/14stn Dmin 60km Az.gap 142°
Corr. -0.657 9M/9stn Msd 0.3

94/26994
DEC 31 2224 52.3s 38.75S 175.38E 248km M=4.1
0.5 0.02 0.02 4
Rsd 0.1s 17ph/15stn Dmin 51km Az.gap 226°
Corr. -0.496 12M/10stn Msd 0.3 1↑

94/26997

DEC	**31**	**2314**	**08.4s**	**39.32S**	**175.37E**	**5km**	**M=3.5**
			0.1	0.01	0.01	R	

Rsd 0.2s 31ph/26stn Dmin 17km Az.gap 72°
Corr. -0.119 32M/26stn Msd 0.3

LISTS OF ORIGINS AND MAGNITUDE DETERMINATIONS

HIGHER MAGNITUDE EARTHQUAKES

A chronological list of 1994 New Zealand earthquakes of $M_L \geq 5.0$ follows. A reference number at the beginning of each entry identifies the origin with the national network data summary, and also with the listing of non-instrumental data (if there is any) that appears in a later section.

The letter "R" following a depth indicates that the depth was restricted to some likely value because the data did not provide sufficient constraint for the depth to be determined by calculation. Choice of the depth of restriction is usually made on the basis of the crustal phases observed or the predominant depth of shallow earthquakes in the epicentral area. (For sub-crustal earthquakes, depth restriction is seldom necessary.)

The letter "G" after a depth shows that the depth was restricted on the basis of information that could not be used by the location program, such as macroseismic information, overseas PKP observations etc.

The letter "F" following a magnitude indicates that at least one report of the earthquake being felt has been received by the Observatory.

In the following table, Rsd is as defined on page 35 and NP phases from NS recording stations have been used to determine the origins.

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
090	JAN 03	1324 17.1	49.00S	164.38E	33R	5.5F	0.1	15	13
1731	FEB 08	2334 50.9	40.27S	174.02E	118	5.4F	0.2	84	64
2495	FEB 23	1101 38.7	39.56S	174.25E	191	5.9F	0.2	81	65
3817	MAR 26	2012 36.7	39.05S	174.91E	205	5.5F	0.2	41	35
3867	MAR 28	0556 49.7	44.47S	168.26E	12R	5.1F	0.1	20	18
3895	MAR 28	2054 49.4	37.50S	176.52E	227	5.4	0.2	32	26
3987	MAR 31	1153 14.4	38.11S	177.07E	66	5.9F	0.3	29	24
4219	APR 08	0406 58.1	39.17S	174.71E	569	5.1	0.2	40	35
4552	APR 17	0054 18.0	37.72S	177.06E	139	5.4F	0.2	31	23
4741	APR 23	0122 13.3	36.57S	177.13E	33R	5.4F	0.2	15	13
6080	JUN 07	2211 39.8	45.41S	166.84E	12R	5.3F	0.1	16	15
6238	JUN 13	0136 28.7	35.67S	176.69E	33R	5.1	0.4	13	11
6337	JUN 16	0527 20.4	37.84S	175.78E	5R	5.0F	0.2	27	24
6394	JUN 18	0325 15.2	43.01S	171.46E	11	6.7F	0.1	11	8
6588	JUN 18	0504 57.6	43.16S	171.43E	10R	5.1F	0.1	14	9
6723	JUN 18	0703 28.4	43.16S	171.46E	5R	5.1F	0.1	13	10
6724	JUN 18	0705 4.1	43.17S	171.43E	10R	5.0F	0.2	15	10
7172	JUN 18	1437 0.1	43.17S	171.49E	5R	5.2F	0.1	15	11
7219	JUN 18	1600 45.6	38.59S	175.76E	156	5.1	0.2	37	28
7859	JUN 19	1343 51.7	43.17S	171.47E	5R	6.1F	0.2	12	9
8220	JUN 19	2154 39.7	43.19S	171.52E	5R	5.0F	0.1	12	9
9701	JUN 21	0218 23.9	43.19S	171.49E	5R	5.7F	0.2	21	13
10064	JUN 21	0831 42.0	43.17S	171.49E	5R	5.2F	0.2	18	13
17038	JUL 05	1012 37.1	43.28S	171.52E	6	5.0F	0.1	14	9
17358	JUL 09	1350 16.6	37.02S	177.46E	163	5.1	0.2	17	13
18957	AUG 05	0041 7.6	38.14S	176.03E	185	5.0	0.2	53	41
19521	AUG 15	0502 5.3	43.26S	171.51E	12R	5.2F	0.1	22	19
19590	AUG 16	0251 32.4	47.37S	165.59E	33R	5.2	0.1	17	14
20130	AUG 25	1137 58.9	37.62S	176.46E	196	5.5	0.3	65	51
20137	AUG 25	1713 27.1	41.39S	172.90E	131	5.0F	0.1	29	26
20476	SEP 01	1232 58.6	35.45S	178.51E	232	5.0	0.2	41	34
20585	SEP 03	0941 17.2	35.95S	179.07E	189	5.2	0.2	42	32
20921	SEP 10	0932 31.9	37.98S	176.87E	126	5.9F	0.3	63	50
21161	SEP 14	1123 18.5	37.22S	179.13E	12R	5.1	0.2	37	30
21225	SEP 15	1509 41.2	43.18S	171.44E	5R	5.0F	0.1	16	11
21563	SEP 22	0047 57.8	38.13S	179.17E	26	5.7F	0.2	44	38
22311	OCT 07	1254 22.3	35.64S	179.20E	198	5.8	0.2	47	36
22740	OCT 16	1608 24.9	40.22S	173.59E	164	5.3F	0.2	38	32
22810	OCT 18	2055 25.8	36.92S	179.46E	87	5.4	0.1	33	23
23289	OCT 27	2129 4.8	39.69S	174.20E	185	5.0	0.3	46	41
24233	NOV 17	2259 2.6	36.88S	176.88E	286	5.2	0.2	54	41
24405	NOV 23	0509 46.4	37.48S	176.58E	203	5.9F	0.3	58	51
25011	DEC 04	2205 57.8	35.79S	178.80E	211	6.1	0.3	40	37
25054	DEC 05	1717 52.1	37.85S	176.33E	187	5.6	0.3	69	51
25541	DEC 15	1120 20.5	37.27S	177.53E	12R	6.1F	0.2	16	15

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
25559	DEC 15	1204 2.3	37.01S	177.68E	5R	5.2	0.6	17	14
25600	DEC 15	1358 51.5	37.07S	177.55E	12R	5.0	0.4	17	14
25628	DEC 15	1513 57.8	40.83S	175.12E	28	5.3F	0.3	38	33
25688	DEC 15	1658 3.9	37.27S	177.43E	12R	5.5F	0.5	26	22
25709	DEC 15	1831 6.3	37.15S	177.57E	5R	5.3F	0.3	16	13
26381	DEC 18	0413 8.5	37.28S	177.47E	12R	5.3F	0.6	20	17
26718	DEC 24	0859 50.5	37.07S	177.48E	12R	5.5F	0.3	16	13
26802	DEC 26	1127 25.6	47.22S	166.00E	33R	5.1	0.1	18	14

WELLINGTON AREA SEISMICITY

It is possible accurately determine earthquake origins to a lower magnitude level in the neighbourhood of the Wellington network, than in other parts of the country. The close station spacing and the relative ease with which stations can be reached when repairs or adjustments are necessary means that the Wellington network can be relied upon to furnish sufficient data to accurately determine the positions of these small earthquakes. The following list includes all earthquakes of magnitude (M_L) 2.0 or more in the area surrounding Wellington, and includes the earthquakes of magnitude 3.5 or more within the area, that were listed on earlier pages.

The location of earthquakes in the neighbourhood of Wellington is no longer performed separately from the location of regional earthquakes as was done in the past. The old practice sometimes resulted in earthquakes having two listed origins, one arrived at from use of National Network data and a regional velocity model, and the other from Wellington Network data and a local model. In current practice the local model is merged into the regional model. A map of these epicentres and a cross-section showing their distribution in depth appears in the final section of this Report.

In the following table, Rsd is as defined on page 35 and NP phases from NS recording stations have been used to determine the origins.

The regional velocity model and its boundaries are listed in the table on page 30.

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
001	JAN 01	0128 2.3	41.23S	175.25E	28	2.6	0.2	19	14
005	JAN 01	0348 34.2	40.99S	175.07E	45	2.5	0.2	8	6
014	JAN 01	0934 31.3	40.60S	175.89E	31	2.3	0.2	11	9
018	JAN 01	1334 12.6	40.72S	174.49E	75	2.7	0.2	28	22
025	JAN 01	1758 54.2	41.48S	174.50E	49	2.0	0.0	5	4
029	JAN 01	1845 14.2	40.78S	173.78E	71	2.9	0.2	31	24
043	JAN 02	0752 45.3	41.13S	175.28E	24	2.4	0.2	21	15
046	JAN 02	1100 20.9	40.73S	173.86E	70	2.3	0.2	21	13
047	JAN 02	1105 14.7	40.74S	175.09E	32	2.6	0.2	17	13
052	JAN 02	1240 53.8	41.60S	174.78E	24	2.4	0.2	14	9
054	JAN 02	1404 56.2	41.28S	175.22E	24	2.0	0.1	10	8
060	JAN 02	1901 19.6	40.99S	174.62E	56	2.4	0.2	24	18
065	JAN 02	2127 43.9	41.64S	174.03E	17	2.0	0.0	6	3
071	JAN 03	0123 40.0	41.66S	174.92E	30	2.7	0.2	34	28
073	JAN 03	0205 56.1	41.67S	173.91E	17	2.0	0.1	6	3
074	JAN 03	0209 57.2	41.19S	174.93E	29	2.5	0.1	19	14
075	JAN 03	0332 44.5	41.03S	174.65E	61	2.3	0.2	8	6
078	JAN 03	0506 12.6	40.99S	174.76E	32	2.0	0.1	9	7
079	JAN 03	0634 16.5	41.62S	174.84E	34	2.7	0.2	24	17
081	JAN 03	0914 25.5	40.98S	174.90E	26	2.2	0.2	15	11
082	JAN 03	0953 41.4	41.65S	173.87E	15	2.0	0.3	18	11
084	JAN 03	1005 36.2	41.64S	173.88E	13	2.7	0.3	60	43
085	JAN 03	1055 6.3	40.87S	174.39E	26	2.3	0.2	18	14
091	JAN 03	1355 33.0	41.62S	174.76E	28	2.1	0.1	8	7
095	JAN 03	1856 35.7	41.93S	173.79E	36	2.0	0.0	7	4

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
097	JAN 03	1918 40.2	40.56S	175.65E	28	2.9	0.2	21	17
105	JAN 04	0041 36.9	41.54S	174.47E	5R	2.0	0.3	13	9
107	JAN 04	0044 40.9	41.40S	174.49E	19	2.7	0.3	38	34
117	JAN 04	0810 44.6	40.93S	175.16E	33	2.4	0.2	13	10
124	JAN 04	1725 49.2	40.70S	174.89E	44	2.4	0.1	8	6
131	JAN 04	2308 12.4	41.97S	174.19E	15	2.0	0.1	7	4
140	JAN 05	1030 3.1	41.49S	173.52E	51	2.4	0.2	21	14
141	JAN 05	1042 42.7	40.59S	173.96E	72	2.5	0.1	6	3
168	JAN 06	0223 20.0	40.56S	174.23E	68	2.1	0.2	7	4
171	JAN 06	0332 40.6	41.24S	174.67E	30	2.4	0.2	23	17
174	JAN 06	0804 10.8	41.76S	174.60E	38	2.4	0.1	20	14
181	JAN 06	1238 39.1	40.92S	174.59E	39	2.1	0.1	12	9
186	JAN 06	1508 47.8	41.13S	175.34E	28	2.1	0.1	15	11
188	JAN 06	1626 38.3	41.69S	174.86E	23	2.3	0.2	23	19
191	JAN 06	1746 25.2	40.60S	175.49E	33	2.0	0.1	8	6
194	JAN 06	1924 42.9	41.59S	175.24E	24	2.5	0.2	24	17
195	JAN 06	1924 51.5	41.58S	175.26E	23	2.3	0.4	17	13
196	JAN 06	1928 50.8	41.59S	175.21E	23	2.6	0.3	30	24
199	JAN 06	2153 43.6	40.84S	175.79E	32	2.4	0.2	12	9
204	JAN 07	0127 59.1	40.96S	174.50E	33	2.1	0.2	9	6
205	JAN 07	0218 14.4	41.54S	173.54E	53	2.0	0.3	10	5
209	JAN 07	0413 9.9	41.59S	175.22E	21	2.2	0.3	15	11
210	JAN 07	0444 14.9	41.67S	174.88E	22	2.0	0.1	6	5
211	JAN 07	0456 57.5	40.52S	174.69E	23	2.2	0.2	14	10
212	JAN 07	0608 51.9	40.54S	175.69E	36	3.8	0.2	55	50
218	JAN 07	1034 18.7	41.10S	174.62E	31	2.4	0.2	27	21
231	JAN 07	2019 48.1	41.11S	173.91E	55	2.2	0.2	22	17
234	JAN 08	0011 21.9	41.58S	174.35E	25	2.8	0.3	51	43
239	JAN 08	0240 29.0	40.71S	174.40E	41	2.1	0.1	10	7
244	JAN 08	0727 58.6	40.85S	173.79E	71	2.6	0.2	30	23
245	JAN 08	0741 39.5	40.90S	175.48E	29	2.4	0.3	15	10
250	JAN 08	1327 27.2	40.70S	174.88E	34	2.2	0.1	12	9
252	JAN 08	1406 6.6	41.34S	175.74E	18	2.1	0.2	12	8
272	JAN 08	2314 9.0	41.43S	173.58E	44	2.3	0.1	25	18
275	JAN 09	0023 53.5	40.65S	175.45E	29	2.3	0.2	10	8
280	JAN 09	0303 30.9	40.55S	174.66E	51	2.8	0.2	21	14
281	JAN 09	0324 24.2	41.67S	174.25E	5R	2.2	0.3	29	21
291	JAN 09	0511 59.1	41.60S	174.46E	19	2.9	0.3	53	44
317	JAN 09	1407 48.5	41.25S	175.13E	24	2.1	0.2	14	11
322	JAN 09	1819 40.1	41.10S	174.76E	29	2.1	0.2	8	5
334	JAN 10	0226 17.1	41.67S	174.27E	12R	2.0	0.3	21	14
352	JAN 10	1238 1.1	40.99S	175.91E	20	2.2	0.2	16	13
353	JAN 10	1338 13.6	40.53S	175.67E	34	2.4	0.2	16	12
354	JAN 10	1349 52.3	41.57S	174.43E	12	2.1	0.3	26	22
355	JAN 10	1354 20.2	41.58S	174.78E	34	2.0	0.2	7	4

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
374	JAN 11	0923 34.0	41.08S	174.75E	30	2.2	0.2	21	15
383	JAN 11	1606 49.5	40.54S	174.73E	30	2.3	0.3	10	8
394	JAN 11	2045 21.6	40.71S	175.94E	25	2.2	0.3	11	8
398	JAN 11	2310 55.3	40.66S	175.10E	12R	2.2	0.3	9	7
411	JAN 12	0501 36.2	41.51S	174.37E	18	2.2	0.3	11	9
415	JAN 12	0613 59.9	41.70S	174.28E	9	3.7	0.3	58	47
436	JAN 12	1240 28.8	41.06S	175.88E	30	2.2	0.1	15	11
450	JAN 12	2102 46.4	41.85S	174.24E	9	2.4	0.2	54	42
457	JAN 13	0005 41.7	41.04S	174.32E	64	2.4	0.2	15	12
462	JAN 13	0323 13.3	41.26S	174.67E	56	2.6	0.2	32	23
480	JAN 13	1039 10.3	40.90S	175.48E	27	2.1	0.2	17	12
485	JAN 13	1337 56.4	41.52S	173.52E	53	2.2	0.2	28	22
487	JAN 13	1348 58.9	41.55S	173.65E	43	2.1	0.2	19	14
488	JAN 13	1355 16.1	40.54S	173.53E	105	2.0	0.3	5	3
493	JAN 13	1445 29.8	41.24S	174.53E	28	2.6	0.3	61	40
498	JAN 13	1736 46.2	40.92S	174.34E	39	2.2	0.3	22	14
500	JAN 13	1942 43.3	40.98S	174.54E	50	3.1	0.2	52	43
501	JAN 13	1954 57.8	41.97S	175.08E	34	2.5	0.2	22	18
522	JAN 14	0730 55.3	41.34S	174.73E	31	2.1	0.2	8	6
525	JAN 14	0801 40.5	40.65S	174.08E	58	2.5	0.3	20	14
528	JAN 14	0947 28.2	41.06S	174.18E	50	2.1	0.2	10	7
529	JAN 14	1011 23.5	41.02S	175.85E	30	2.1	0.2	12	9
536	JAN 14	1554 16.9	40.95S	175.14E	28	3.1	0.3	45	38
544	JAN 14	2138 17.3	41.03S	174.60E	33	2.1	0.1	9	7
545	JAN 14	2210 54.9	41.04S	174.61E	34	2.1	0.2	10	8
550	JAN 15	0738 29.3	40.80S	174.52E	53	2.4	0.2	18	12
556	JAN 15	0959 54.5	40.96S	175.25E	22	2.3	0.2	14	11
564	JAN 15	1254 45.2	41.07S	174.73E	53	2.3	0.1	7	6
566	JAN 15	1327 8.1	40.96S	175.24E	31	2.3	0.1	6	6
577	JAN 15	1934 55.9	40.76S	174.11E	59	2.3	0.3	17	13
579	JAN 15	2112 58.5	41.67S	174.79E	31	3.8F	0.3	58	49
583	JAN 15	2357 35.7	41.71S	175.43E	12R	2.5	0.2	16	13
584	JAN 16	0136 56.2	41.30S	175.10E	26	2.0	0.2	12	10
585	JAN 16	0223 21.4	41.73S	175.44E	12R	2.5	0.2	16	13
586	JAN 16	0223 34.3	41.72S	175.44E	12R	2.6	0.2	10	8
587	JAN 16	0223 38.6	41.62S	175.42E	12R	2.5	0.2	12	10
588	JAN 16	0232 41.9	41.73S	175.46E	12R	2.6	0.4	18	15
589	JAN 16	0244 33.4	41.71S	175.43E	12R	3.2	0.2	33	28
590	JAN 16	0406 46.9	40.80S	175.10E	34	2.2	0.2	8	6
591	JAN 16	0427 27.6	41.72S	175.43E	12R	2.9	0.3	27	24
592	JAN 16	0431 50.0	41.69S	175.43E	12R	2.2	0.2	12	9
597	JAN 16	0727 27.8	41.64S	175.45E	23	2.6	0.3	22	17
604	JAN 16	1109 19.8	41.29S	175.29E	30	2.6	0.1	22	15
607	JAN 16	1140 47.3	41.00S	175.29E	20	2.3	0.2	16	13
608	JAN 16	1217 25.2	41.70S	174.79E	12R	2.1	0.2	6	5

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612	JAN 16	1354 45.6	41.21S	174.56E	54	2.3	0.1	15	11
624	JAN 16	2131 45.1	41.17S	175.66E	22	2.2	0.1	14	9
627	JAN 16	2250 12.6	41.11S	174.28E	50	2.3	0.1	15	10
632	JAN 17	0104 52.3	40.50S	174.51E	5	2.1	0.2	14	9
646	JAN 17	1007 4.4	40.66S	174.87E	33	2.4	0.1	17	13
647	JAN 17	1038 23.5	41.34S	175.61E	29	2.0	0.2	15	11
653	JAN 17	1324 46.4	40.67S	173.53E	99	2.5	0.3	29	21
662	JAN 17	1621 43.0	40.79S	175.67E	11	2.3	0.2	17	13
664	JAN 17	2147 56.1	41.69S	174.26E	5R	2.2	0.3	26	22
668	JAN 17	2345 44.2	41.36S	174.91E	29	2.3	0.2	18	15
671	JAN 18	0435 11.1	41.31S	174.73E	31	2.3	0.2	14	11
680	JAN 18	1118 55.1	40.72S	173.51E	84	2.5	0.4	6	5
684	JAN 18	1601 13.1	41.18S	174.16E	46	2.7	0.2	41	31
688	JAN 18	2258 56.0	40.68S	174.52E	5R	2.4	0.3	18	14
692	JAN 19	0130 25.4	40.84S	174.54E	26	2.4	0.3	16	11
693	JAN 19	0146 14.6	41.55S	173.59E	46	2.2	0.2	11	7
702	JAN 19	1143 55.1	40.83S	174.55E	29	2.1	0.2	11	7
705	JAN 19	1415 5.4	41.74S	173.81E	8	2.3	0.2	38	30
709	JAN 19	1550 16.2	40.55S	174.08E	71	2.3	0.2	17	13
712	JAN 19	1626 36.8	40.89S	175.70E	29	2.8	0.3	19	15
725	JAN 19	2228 14.2	40.53S	175.00E	5R	2.6	0.2	22	19
760	JAN 20	1456 20.3	40.57S	174.81E	5R	2.4	0.2	5	3
761	JAN 20	1548 38.9	40.68S	174.06E	85	2.9	0.3	42	29
773	JAN 20	2202 9.7	40.90S	174.09E	50	2.2	0.2	7	5
792	JAN 21	1040 31.7	40.95S	175.12E	30	2.0	0.0	6	5
793	JAN 21	1043 58.0	40.86S	175.58E	23	2.3	0.2	18	12
811	JAN 21	2249 7.0	41.47S	174.37E	62	3.4	0.2	80	49
814	JAN 21	2354 45.9	40.60S	175.70E	48	2.6	0.1	9	6
818	JAN 22	0042 8.5	41.71S	174.19E	9	2.3	0.3	33	26
824	JAN 22	0435 0.4	40.91S	174.79E	47	3.1	0.1	56	44
837	JAN 22	1417 53.0	41.86S	174.08E	8	2.0	0.2	19	15
838	JAN 22	1446 16.5	40.86S	175.56E	23	2.7	0.2	26	18
847	JAN 22	1740 9.6	40.93S	174.40E	73	2.5	0.2	32	24
851	JAN 22	1830 38.8	41.24S	174.60E	30	2.5	0.3	38	30
852	JAN 22	1916 5.6	40.76S	174.50E	66	2.6	0.2	29	19
863	JAN 23	0059 14.0	40.79S	175.65E	25	2.2	0.1	12	9
869	JAN 23	0250 27.4	41.41S	173.69E	54	2.2	0.2	19	13
870	JAN 23	0314 20.9	41.96S	173.82E	12	2.0	0.3	9	5
880	JAN 23	1106 38.8	41.16S	173.65E	81	2.5	0.2	27	19
883	JAN 23	1454 58.3	41.06S	174.41E	41	3.0	0.2	51	45
896	JAN 23	2256 40.9	40.56S	174.22E	78	2.6	0.2	28	19
897	JAN 23	2302 48.7	41.61S	173.88E	15	2.3	0.2	33	22
905	JAN 24	0319 24.0	41.85S	174.09E	13	3.0	0.3	56	44
906	JAN 24	0338 35.7	41.70S	174.45E	32	2.3	0.2	20	13
908	JAN 24	0510 51.7	41.84S	174.07E	9	2.4	0.2	42	34

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932	JAN 24	1907 52.6	40.73S	174.29E	55	2.3	0.2	16	12
942	JAN 24	2329 54.2	42.00S	174.28E	23	2.1	0.2	24	16
963	JAN 25	0952 50.3	41.26S	175.16E	27	2.0	0.1	15	11
964	JAN 25	1003 11.2	40.98S	175.59E	28	2.0	0.1	14	11
967	JAN 25	1229 55.1	41.42S	174.38E	14	2.0	0.3	17	13
976	JAN 25	1643 28.0	40.82S	174.66E	46	2.3	0.2	25	19
985	JAN 26	0002 11.8	41.55S	174.21E	5R	2.3	0.3	31	23
1000	JAN 26	0506 27.2	41.27S	174.85E	24	2.9	0.2	35	24
1010	JAN 26	1316 48.9	41.49S	174.82E	28	2.6	0.3	39	26
1019	JAN 26	1614 49.8	41.30S	173.78E	78	2.4	0.1	11	7
1037	JAN 27	0903 52.3	41.47S	174.46E	20	2.2	0.2	15	11
1043	JAN 27	1236 18.8	40.55S	174.08E	83	2.7	0.2	31	25
1044	JAN 27	1246 42.3	41.93S	174.55E	29	2.4	0.2	22	15
1046	JAN 27	1301 58.4	40.60S	174.30E	70	2.5	0.2	19	17
1055	JAN 27	1903 13.9	40.56S	175.19E	12R	2.1	0.2	10	7
1056	JAN 27	1939 44.3	41.66S	174.67E	12R	2.1	0.2	11	9
1058	JAN 27	2137 5.3	41.60S	174.38E	12R	2.0	0.2	21	17
1063	JAN 28	0030 10.0	41.40S	175.86E	24	2.7	0.2	20	17
1071	JAN 28	0649 37.1	42.00S	173.85E	30	2.2	0.2	39	22
1079	JAN 28	1312 51.9	41.39S	174.36E	33	2.5	0.3	42	33
1084	JAN 28	1548 18.4	41.30S	174.19E	40	2.1	0.1	18	12
1091	JAN 28	1806 37.6	40.71S	175.66E	15	2.9	0.3	40	35
1095	JAN 28	1941 31.1	41.91S	174.64E	33	2.2	0.1	15	10
1099	JAN 28	2208 30.6	41.37S	174.57E	29	2.0	0.1	11	9
1101	JAN 28	2218 56.8	41.54S	174.36E	8	2.4	0.3	36	29
1106	JAN 28	2320 49.4	40.66S	175.52E	31	2.3	0.1	16	12
1146	JAN 30	0009 36.3	41.07S	174.48E	32	2.7	0.3	42	31
1157	JAN 30	0843 57.4	41.08S	174.45E	16	2.1	0.3	11	8
1182	JAN 30	1100 33.8	40.93S	174.15E	51	2.2	0.2	15	11
1202	JAN 30	1251 27.7	41.28S	174.98E	25	2.0	0.1	12	9
1204	JAN 30	1331 42.5	41.28S	174.98E	23	2.0	0.1	10	8
1209	JAN 30	1428 43.8	41.35S	175.32E	10	2.1	0.3	24	16
1220	JAN 30	1839 2.4	41.11S	174.65E	57	2.6	0.1	25	17
1239	JAN 31	0224 3.7	40.60S	175.92E	22	2.0	0.1	6	3
1241	JAN 31	0238 35.6	41.54S	173.64E	52	2.6	0.3	31	23
1242	JAN 31	0315 6.7	41.37S	174.54E	47	2.4	0.2	14	10
1245	JAN 31	0411 49.3	40.55S	175.68E	43	2.0	0.2	7	4
1247	JAN 31	0501 46.0	41.25S	174.70E	28	2.6	0.3	37	31
1249	JAN 31	0546 2.1	41.39S	175.32E	26	2.1	0.1	14	10
1257	JAN 31	0932 6.7	41.73S	173.93E	12R	2.1	0.3	8	5
1261	JAN 31	1022 56.0	41.24S	174.55E	60	2.1	0.1	9	8
1265	JAN 31	1229 16.2	41.33S	173.69E	55	2.5	0.2	28	18
1266	JAN 31	1308 3.9	40.71S	173.98E	72	2.7	0.2	28	20
1274	JAN 31	1520 7.4	41.02S	174.24E	48	2.3	0.1	14	12
1282	JAN 31	2002 36.5	40.59S	175.45E	30	2.2	0.1	5	3

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1283	JAN 31	2016 46.5	41.55S	173.66E	44	2.7	0.2	41	27
1286	JAN 31	2234 1.2	40.94S	175.53E	24	3.1	0.2	31	24
1289	JAN 31	2253 17.5	40.94S	175.52E	22	2.5	0.3	17	14
1296	FEB 01	0118 7.2	41.19S	174.55E	37	2.6	0.2	33	26
1297	FEB 01	0310 56.1	41.60S	174.66E	29	2.2	0.2	19	15
1313	FEB 01	0933 24.1	41.16S	173.64E	64	2.4	0.2	22	17
1348	FEB 02	0246 33.3	40.75S	174.18E	62	2.9	0.2	45	34
1351	FEB 02	0423 45.5	40.83S	174.65E	38	2.0	0.1	10	7
1356	FEB 02	0526 37.6	41.38S	175.83E	22	2.1	0.3	16	11
1362	FEB 02	0813 54.4	40.91S	176.00E	30	2.4	0.3	13	12
1374	FEB 02	1808 3.4	41.16S	174.76E	32	2.4	0.1	20	15
1381	FEB 02	2150 28.1	41.33S	175.67E	18	2.4	0.2	14	10
1384	FEB 02	2206 49.6	41.75S	173.60E	62	2.5	0.1	22	13
1385	FEB 02	2214 32.6	41.38S	174.29E	33	2.1	0.1	6	3
1409	FEB 03	0941 37.3	41.29S	174.84E	26	2.1	0.1	13	11
1420	FEB 03	1412 48.4	41.58S	174.35E	24	2.9	0.3	65	46
1422	FEB 03	1433 29.1	41.74S	174.13E	16	2.0	0.2	15	8
1431	FEB 03	1713 49.4	41.09S	174.21E	53	3.6	0.2	63	52
1437	FEB 03	1905 50.1	41.57S	173.99E	32	2.2	0.2	18	12
1440	FEB 03	2115 39.5	41.10S	174.21E	52	2.0	0.2	7	4
1447	FEB 04	0236 29.4	41.27S	173.85E	45	2.0	0.3	10	5
1455	FEB 04	0626 11.1	40.60S	174.36E	42	2.2	0.3	17	13
1458	FEB 04	0945 32.6	41.66S	174.25E	14	2.2	0.2	38	32
1462	FEB 04	1001 21.7	40.55S	174.99E	40	2.7	0.2	24	19
1467	FEB 04	1228 24.8	41.17S	175.66E	23	2.2	0.2	19	13
1487	FEB 04	2350 49.7	40.63S	174.56E	77	2.5	0.2	25	18
1488	FEB 04	2357 43.6	40.99S	175.45E	23	2.2	0.2	16	12
1493	FEB 05	0100 6.0	41.54S	174.36E	9	2.5	0.3	42	35
1499	FEB 05	0235 34.6	41.70S	173.65E	45	2.4	0.2	33	26
1501	FEB 05	0249 4.3	41.09S	174.69E	54	2.2	0.1	16	12
1505	FEB 05	0605 54.2	40.67S	174.67E	43	2.8	0.2	24	19
1511	FEB 05	0948 19.0	40.63S	175.48E	30	2.4	0.2	16	13
1533	FEB 05	1804 15.8	41.16S	174.02E	51	2.7	0.2	38	33
1536	FEB 05	2026 10.7	41.70S	174.53E	29	2.7	0.2	41	30
1545	FEB 05	2313 42.3	41.82S	174.12E	26	2.0	0.1	14	9
1550	FEB 06	0255 20.7	41.42S	175.11E	29	2.4	0.3	10	7
1552	FEB 06	0428 11.0	40.87S	173.97E	61	2.0	0.1	9	7
1564	FEB 06	1251 21.6	40.93S	175.51E	23	2.1	0.2	15	11
1576	FEB 06	1824 50.7	41.43S	174.98E	31	2.5	0.2	29	21
1581	FEB 06	2141 11.9	41.37S	174.25E	36	2.0	0.2	15	10
1585	FEB 07	0033 26.1	41.06S	174.76E	30	2.6	0.2	36	28
1590	FEB 07	0357 56.3	41.90S	173.70E	33	2.6	0.2	49	33
1593	FEB 07	0443 27.3	41.90S	173.71E	33	3.0	0.3	68	45
1602	FEB 07	0938 38.8	40.88S	174.69E	56	2.1	0.0	9	7
1606	FEB 07	1016 23.1	40.57S	175.83E	37	2.7	0.1	7	4

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1607	FEB 07	1028 1.2	40.57S	175.83E	35	2.5	0.1	7	4
1610	FEB 07	1154 12.3	41.23S	174.29E	62	2.4	0.2	25	19
1618	FEB 07	1428 41.9	40.88S	174.95E	10	2.3	0.2	27	20
1630	FEB 07	1607 11.1	41.23S	175.35E	28	2.3	0.1	19	13
1632	FEB 07	1623 14.3	41.93S	173.98E	15	2.0	0.3	15	11
1636	FEB 07	1706 48.6	41.93S	173.98E	16	2.0	0.3	22	16
1646	FEB 07	1823 0.7	41.93S	173.98E	15	2.0	0.3	18	13
1647	FEB 07	1823 36.3	41.93S	174.01E	15	2.4	0.3	36	29
1650	FEB 07	1901 18.6	41.48S	174.07E	37	2.1	0.2	16	13
1657	FEB 07	2221 29.1	41.15S	174.50E	58	3.4	0.2	65	56
1661	FEB 07	2304 9.0	40.93S	174.12E	48	2.1	0.3	14	11
1662	FEB 07	2349 32.7	40.57S	175.15E	32	2.2	0.2	13	11
1664	FEB 08	0012 4.9	40.59S	174.11E	12R	2.1	0.3	13	8
1671	FEB 08	0258 50.8	40.61S	174.99E	31	2.4	0.2	19	14
1672	FEB 08	0259 26.5	41.48S	173.72E	21	2.0	0.0	6	3
1687	FEB 08	0851 11.5	40.82S	175.32E	31	2.6	0.2	25	21
1688	FEB 08	0903 17.2	40.79S	175.40E	28	2.7	0.2	20	15
1690	FEB 08	1004 3.9	41.51S	174.72E	27	3.3	0.2	63	52
1701	FEB 08	1254 17.2	40.63S	175.48E	30	2.1	0.2	12	9
1702	FEB 08	1257 60.0	40.64S	175.85E	22	2.1	0.1	5	3
1734	FEB 09	0003 18.0	41.38S	174.58E	57	2.5	0.2	34	25
1742	FEB 09	0241 50.8	41.61S	174.67E	28	2.1	0.3	22	17
1745	FEB 09	0333 14.6	40.50S	175.81E	33	2.7	0.2	27	22
1748	FEB 09	0357 32.4	41.84S	174.79E	30	2.2	0.2	19	12
1767	FEB 09	1102 6.9	41.52S	175.47E	18	2.0	0.2	15	10
1769	FEB 09	1139 18.9	41.83S	174.22E	6	2.6	0.3	57	42
1775	FEB 09	1428 35.5	41.15S	174.01E	50	2.4	0.3	31	23
1779	FEB 09	1617 18.7	40.61S	174.30E	81	2.5	0.2	33	26
1790	FEB 09	2008 11.4	40.86S	174.69E	47	2.0	0.1	7	5
1793	FEB 09	2025 53.8	41.20S	174.06E	46	2.3	0.2	24	17
1804	FEB 09	2331 0.4	41.33S	174.13E	40	2.2	0.2	24	17
1816	FEB 10	0647 36.8	41.64S	175.35E	15	2.0	0.2	13	9
1823	FEB 10	0836 12.7	41.09S	175.49E	30	2.6	0.2	23	17
1828	FEB 10	0948 59.8	41.03S	175.10E	31	2.4	0.2	24	17
1845	FEB 10	1410 4.8	40.64S	175.47E	30	2.2	0.2	10	7
1854	FEB 10	2220 44.5	41.91S	173.99E	13	2.1	0.2	27	21
1858	FEB 11	0029 36.8	40.82S	174.66E	53	2.5	0.2	17	11
1860	FEB 11	0035 46.3	40.99S	173.96E	54	2.6	0.4	36	28
1868	FEB 11	0256 25.6	41.19S	174.93E	14	2.3	0.3	7	5
1882	FEB 11	0902 0.6	41.75S	174.32E	14	2.3	0.3	50	40
1886	FEB 11	0938 0.4	41.02S	174.52E	55	2.3	0.2	23	17
1907	FEB 11	1720 20.5	41.73S	173.96E	16	2.1	0.3	28	22
1915	FEB 11	2208 12.9	40.90S	175.19E	23	2.2	0.2	13	11
1921	FEB 12	0150 23.0	40.81S	175.19E	36	2.0	0.1	9	8
1926	FEB 12	0718 44.1	40.87S	174.74E	50	2.3	0.2	17	13

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
1934	FEB 12	1204 58.7	41.89S	173.71E	36	3.4	0.3	54	39
1954	FEB 13	0158 25.3	41.72S	175.42E	24	3.4	0.1	39	31
1955	FEB 13	0246 20.8	41.79S	175.32E	12R	2.1	0.1	8	5
1963	FEB 13	1032 12.0	41.72S	175.38E	21	2.1	0.3	10	7
1967	FEB 13	1516 11.0	41.31S	173.54E	57	2.2	0.3	20	14
1968	FEB 13	1538 23.5	41.38S	175.11E	28	2.6	0.3	32	26
1971	FEB 13	1753 24.1	41.97S	173.86E	12R	2.0	0.4	16	10
1972	FEB 13	1847 47.7	41.17S	173.93E	47	2.1	0.3	8	5
1973	FEB 13	1913 24.6	41.66S	174.24E	9	2.3	0.3	41	35
1977	FEB 13	2019 5.7	41.71S	174.57E	50	2.6	0.2	28	23
1980	FEB 13	2101 31.6	41.86S	173.89E	9	2.2	0.3	27	21
1983	FEB 14	0029 17.5	41.32S	173.53E	62	2.4	0.2	23	15
1985	FEB 14	0149 5.6	40.86S	175.34E	26	2.0	0.1	13	9
1994	FEB 14	0702 51.5	40.66S	174.17E	71	2.5	0.2	23	19
2003	FEB 14	1115 16.7	40.62S	174.22E	60	2.3	0.2	14	10
2024	FEB 15	0002 17.3	41.43S	174.24E	45	2.1	0.2	19	11
2030	FEB 15	0658 2.1	40.80S	175.23E	30	2.0	0.1	16	11
2038	FEB 15	1140 50.4	40.86S	175.01E	35	2.0	0.2	15	11
2041	FEB 15	1309 51.3	41.65S	175.30E	14	2.0	0.3	13	9
2054	FEB 15	1751 30.8	41.65S	174.73E	23	2.1	0.3	17	14
2057	FEB 15	1815 39.7	41.68S	174.25E	8	2.0	0.2	24	20
2059	FEB 15	1924 14.5	41.72S	175.33E	17	2.2	0.2	15	11
2084	FEB 16	0818 6.1	41.39S	175.86E	19	2.3	0.3	13	9
2092	FEB 16	0918 56.3	40.61S	174.12E	61	2.2	0.2	8	6
2095	FEB 16	1017 34.3	41.38S	175.85E	18	2.5	0.2	13	9
2099	FEB 16	1046 10.7	41.17S	174.68E	29	2.4	0.2	27	21
2100	FEB 16	1058 28.5	41.39S	175.87E	20	2.1	0.3	12	8
2112	FEB 16	1407 39.2	40.97S	174.15E	48	2.3	0.2	16	12
2119	FEB 16	1614 38.7	41.64S	174.60E	29	2.0	0.2	16	13
2135	FEB 16	2323 2.7	41.68S	174.28E	12R	2.2	0.3	34	27
2146	FEB 17	0214 30.4	41.03S	174.54E	32	2.1	0.2	16	11
2150	FEB 17	0425 45.9	40.71S	174.21E	48	2.2	0.2	12	8
2194	FEB 17	2233 34.5	41.96S	173.83E	10	2.4	0.2	37	25
2206	FEB 18	0616 41.9	41.51S	174.57E	14	2.2	0.3	26	21
2215	FEB 18	1122 25.3	41.16S	173.96E	53	2.3	0.2	16	11
2231	FEB 18	1626 22.3	41.14S	173.77E	59	2.2	0.2	11	8
2234	FEB 18	1642 33.9	40.54S	175.98E	27	2.2	0.1	9	6
2252	FEB 19	0407 44.2	41.35S	175.74E	25	3.7	0.2	46	38
2254	FEB 19	0524 9.8	40.72S	175.94E	31	2.1	0.1	10	8
2263	FEB 19	0813 18.5	40.70S	173.95E	72	2.6	0.3	43	28
2265	FEB 19	0835 22.8	40.96S	175.38E	20	2.6	0.2	24	17
2274	FEB 19	1130 28.4	40.66S	175.58E	28	2.3	0.2	14	10
2284	FEB 19	1510 7.5	41.81S	174.42E	32	2.1	0.0	8	6
2295	FEB 19	1756 37.1	40.61S	174.12E	61	2.4	0.2	14	10
2297	FEB 19	1917 16.8	41.01S	174.50E	11	2.3	0.2	24	17

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
2298	FEB 19	2059 8.0	41.10S	175.90E	32	2.4	0.1	14	9
2299	FEB 19	2124 39.6	40.91S	175.70E	24	2.3	0.3	20	13
2314	FEB 20	0240 49.3	40.93S	175.70E	32	2.3	0.2	16	12
2323	FEB 20	0355 28.0	40.73S	175.40E	27	2.0	0.3	14	12
2333	FEB 20	0726 26.3	41.13S	173.54E	89	3.0	0.3	49	39
2335	FEB 20	1010 13.8	41.27S	174.48E	33	2.1	0.1	10	8
2338	FEB 20	1129 44.2	40.83S	175.11E	33	2.0	0.2	12	9
2341	FEB 20	1216 57.4	40.54S	174.45E	67	2.4	0.2	11	8
2351	FEB 20	1748 22.4	40.80S	174.65E	5R	2.0	0.2	8	5
2353	FEB 20	2118 12.6	40.96S	175.41E	20	2.5	0.2	19	14
2366	FEB 21	0332 31.8	41.41S	173.67E	67	2.4	0.3	12	9
2377	FEB 21	0756 37.0	41.11S	174.79E	30	2.5	0.2	23	16
2381	FEB 21	0941 39.8	40.81S	174.81E	14	2.4	0.2	23	16
2402	FEB 21	1837 55.9	41.02S	174.84E	51	2.8	0.1	25	16
2411	FEB 21	2021 43.5	41.63S	174.39E	6	2.7	0.3	45	33
2412	FEB 21	2023 37.9	41.28S	173.79E	49	2.7	0.3	35	25
2455	FEB 22	1648 38.5	41.57S	173.55E	57	3.1	0.3	57	41
2459	FEB 22	1840 9.1	41.69S	174.17E	58	3.1	0.2	60	42
2472	FEB 23	0140 43.0	41.45S	174.43E	43	2.0F	0.1	5	3
2474	FEB 23	0219 26.6	40.99S	174.17E	48	2.8	0.3	31	25
2483	FEB 23	0726 48.6	40.50S	174.36E	80	2.2	0.2	13	8
2487	FEB 23	0924 32.1	41.59S	173.99E	12	2.5	0.2	47	39
2489	FEB 23	0930 35.3	40.53S	174.51E	33R	2.2	0.4	13	9
2490	FEB 23	0934 55.1	41.59S	173.99E	10	2.0	0.2	31	21
2491	FEB 23	1013 35.9	40.93S	175.72E	30	2.2	0.2	16	12
2492	FEB 23	1036 21.3	41.42S	175.01E	27	2.4	0.2	23	20
2516	FEB 23	1928 29.3	41.59S	173.99E	11	2.7	0.3	45	36
2528	FEB 23	2326 60.0	40.61S	174.84E	27	2.3	0.3	15	11
2532	FEB 24	0028 53.4	40.88S	173.94E	65	2.4	0.2	22	18
2546	FEB 24	0813 58.5	41.07S	175.06E	17	2.4	0.2	22	17
2556	FEB 24	1205 10.8	41.36S	175.24E	30	2.4	0.2	16	13
2579	FEB 24	1918 29.4	40.98S	175.92E	30	2.0	0.1	10	7
2591	FEB 25	0339 36.0	41.61S	174.34E	56	2.3	0.2	23	16
2617	FEB 25	1028 21.0	40.84S	175.35E	27	2.3	0.2	14	11
2619	FEB 25	1259 18.1	40.75S	175.70E	31	2.1	0.1	6	3
2620	FEB 25	1303 27.0	41.66S	174.60E	26	2.2	0.1	11	9
2628	FEB 25	1500 37.8	41.10S	174.63E	54	2.1	0.1	11	10
2631	FEB 25	1609 12.4	41.60S	173.89E	5R	2.2	0.1	8	4
2646	FEB 25	2124 22.0	40.50S	174.56E	33	3.0	0.3	41	37
2648	FEB 25	2336 32.8	41.27S	173.61E	57	2.8	0.2	37	31
2656	FEB 26	0230 51.1	41.69S	174.31E	5R	2.0	0.2	15	11
2657	FEB 26	0238 54.0	40.77S	175.67E	22	2.3	0.2	11	7
2668	FEB 26	0847 35.7	40.59S	175.22E	34	2.1	0.2	10	8
2670	FEB 26	1013 17.4	41.27S	175.25E	31	2.5	0.1	19	13
2676	FEB 26	1315 43.6	40.53S	174.17E	65	3.2	0.3	44	40

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2677	FEB 26	1316 46.6	40.52S	174.11E	66	2.6	0.3	11	9
2678	FEB 26	1322 3.5	41.27S	175.24E	31	2.0	0.1	17	12
2686	FEB 26	1615 22.9	41.20S	174.46E	63	2.0	0.2	14	10
2690	FEB 26	1801 44.8	40.86S	175.07E	34	3.0	0.3	56	50
2696	FEB 26	2007 41.9	41.65S	174.56E	27	2.2	0.2	8	7
2720	FEB 27	1327 23.8	40.96S	174.29E	59	2.0	0.3	13	8
2732	FEB 27	1904 43.7	40.61S	173.57E	97	2.6	0.2	34	22
2747	FEB 28	0316 2.3	41.04S	174.74E	31	2.2	0.2	22	17
2749	FEB 28	0339 27.5	41.52S	174.31E	13	2.2	0.3	22	18
2750	FEB 28	0421 25.1	41.05S	174.72E	32	2.0	0.1	13	11
2753	FEB 28	0444 54.1	41.56S	174.33E	22	2.2	0.2	30	24
2759	FEB 28	0522 16.7	41.01S	175.61E	26	2.0	0.1	17	11
2800	FEB 28	0720 28.2	40.67S	174.99E	5R	2.2	0.5	13	11
2814	FEB 28	0906 42.9	40.76S	175.73E	28	2.0	0.2	12	9
2816	FEB 28	1022 52.5	41.14S	174.83E	55	4.5F	0.2	76	57
2840	MAR 01	0038 43.2	41.64S	174.27E	23	2.1	0.1	9	8
2848	MAR 01	0433 40.5	41.59S	175.15E	28	2.1	0.2	13	10
2851	MAR 01	0717 1.8	41.68S	174.19E	5R	2.0	0.1	8	5
2856	MAR 01	0922 33.7	41.00S	174.48E	9	2.6	0.2	20	17
2857	MAR 01	0937 1.7	40.87S	173.76E	72	3.4	0.3	52	41
2877	MAR 01	1948 57.7	41.39S	175.15E	10	2.0	0.1	9	6
2882	MAR 01	2327 44.4	41.47S	174.18E	42	3.0	0.2	46	31
2884	MAR 02	0300 17.9	41.00S	174.10E	46	2.4	0.4	11	8
2885	MAR 02	0303 38.8	40.62S	175.35E	29	2.0	0.2	10	8
2895	MAR 02	1100 10.4	40.93S	175.98E	31	2.3	0.3	13	9
2898	MAR 02	1206 42.2	41.43S	175.10E	24	2.3	0.1	11	9
2902	MAR 02	1316 52.6	41.17S	173.56E	59	2.7	0.3	16	10
2907	MAR 02	1629 31.3	40.96S	175.25E	21	2.0	0.1	6	5
2913	MAR 02	1959 59.6	41.62S	174.61E	30	2.6	0.2	22	16
2921	MAR 03	0554 58.9	40.57S	173.63E	89	2.6	0.2	17	12
2931	MAR 03	1152 13.5	40.94S	173.85E	12R	2.9	0.4	34	27
2934	MAR 03	1232 39.5	41.42S	175.02E	30	2.4	0.2	18	13
2935	MAR 03	1239 35.0	41.41S	173.57E	71	2.6	0.3	8	6
2937	MAR 03	1303 41.8	40.76S	174.08E	64	2.5	0.3	14	12
2963	MAR 04	0443 23.0	41.08S	174.65E	56	2.1	0.2	13	10
2966	MAR 04	0637 24.8	41.12S	174.84E	52	3.0	0.2	34	25
2971	MAR 04	0839 53.0	40.83S	174.89E	11	2.0	0.3	9	7
2976	MAR 04	1145 23.4	40.59S	174.15E	48	2.3	0.3	16	12
2988	MAR 04	2153 16.7	40.50S	175.10E	33	2.3	0.1	12	10
2989	MAR 04	2223 1.4	40.62S	174.59E	44	2.2	0.1	16	12
2995	MAR 05	0403 24.5	41.68S	174.44E	26	2.0	0.2	18	13
3004	MAR 05	0837 6.3	41.65S	174.03E	34	2.1	0.1	8	4
3011	MAR 05	1233 51.6	41.23S	174.40E	55	3.6	0.2	83	53
3017	MAR 05	1457 31.5	40.86S	175.61E	26	2.1	0.1	11	8
3020	MAR 05	1530 58.1	40.82S	174.85E	44	2.9	0.2	32	22

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3029	MAR 05	1956 19.9	41.23S	174.63E	34	2.0	0.1	10	7
3037	MAR 05	2358 24.2	40.64S	175.49E	30	3.0	0.3	34	27
3039	MAR 06	0037 15.1	41.58S	173.96E	15	2.0	0.2	25	14
3044	MAR 06	0556 49.6	41.08S	174.18E	50	3.0	0.2	32	25
3047	MAR 06	0803 42.7	40.81S	175.16E	31	2.1	0.2	11	8
3053	MAR 06	1116 6.4	41.51S	175.35E	17	2.2	0.2	13	9
3060	MAR 06	1432 22.5	41.54S	175.37E	22	2.6	0.2	24	19
3071	MAR 06	2055 22.4	41.00S	175.38E	29	2.1	0.1	7	5
3084	MAR 07	0742 42.4	41.45S	173.85E	40	2.0	0.1	7	4
3093	MAR 07	1227 1.3	40.86S	174.92E	14	2.1	0.3	14	9
3095	MAR 07	1252 37.8	40.87S	174.94E	11	2.4	0.2	26	18
3102	MAR 07	1540 39.0	41.31S	174.42E	36	2.0	0.2	12	8
3123	MAR 08	0436 57.9	41.61S	174.77E	32	2.0	0.1	7	5
3130	MAR 08	0920 13.6	41.68S	174.55E	32	2.3	0.2	18	12
3148	MAR 08	1900 13.0	41.09S	173.79E	55	2.5	0.2	32	20
3156	MAR 09	0220 44.7	40.88S	173.82E	63	2.4	0.2	19	13
3158	MAR 09	0434 43.3	41.65S	174.10E	35	3.0	0.2	48	32
3175	MAR 09	1641 3.1	40.85S	175.78E	29	2.1	0.2	13	10
3190	MAR 10	0204 52.0	40.84S	174.41E	57	3.1	0.3	44	30
3192	MAR 10	0224 2.3	41.65S	174.08E	34	2.4	0.2	24	17
3196	MAR 10	0512 21.9	41.66S	174.06E	32	2.2	0.2	20	12
3221	MAR 10	1943 56.5	40.75S	175.86E	30	2.2	0.1	6	3
3224	MAR 10	2048 40.7	40.91S	174.38E	71	2.4	0.2	18	9
3230	MAR 11	0013 7.9	40.89S	174.65E	72	2.3	0.1	9	7
3231	MAR 11	0101 30.9	41.24S	175.33E	29	2.5	0.2	17	12
3232	MAR 11	0134 55.6	40.51S	173.64E	116	2.7	0.3	20	14
3257	MAR 11	1305 7.4	40.99S	174.98E	56	3.2F	0.2	58	43
3271	MAR 11	2037 1.6	41.69S	174.25E	8	2.3	0.2	34	25
3274	MAR 11	2130 12.7	40.69S	174.96E	33	2.1	0.2	6	5
3277	MAR 11	2219 3.7	40.64S	175.49E	31	2.0	0.1	8	6
3281	MAR 12	0336 28.8	40.92S	175.99E	29	2.7	0.2	18	13
3284	MAR 12	0624 18.1	40.86S	174.74E	15	2.1	0.3	12	8
3289	MAR 12	0937 51.9	41.65S	174.36E	5R	2.3	0.2	17	15
3294	MAR 12	1218 25.6	40.55S	174.09E	70	2.1	0.3	10	7
3295	MAR 12	1244 15.2	40.56S	173.53E	165	2.7	0.2	12	10
3302	MAR 12	1455 5.4	40.84S	173.88E	71	2.5	0.2	15	12
3305	MAR 12	1555 2.8	40.87S	174.70E	40	2.5	0.2	21	15
3308	MAR 12	1836 40.6	40.52S	175.02E	33	2.0	0.2	11	8
3316	MAR 12	2332 31.2	40.90S	175.77E	29	2.2	0.1	14	10
3324	MAR 13	0350 27.2	41.00S	175.57E	27	2.8	0.2	20	14
3328	MAR 13	0608 56.4	41.60S	174.03E	14	2.1	0.1	12	10
3340	MAR 13	1107 30.1	40.81S	174.74E	48	3.7F	0.2	36	31
3347	MAR 13	1435 1.4	40.78S	174.71E	37	2.4	0.2	19	15
3349	MAR 13	1519 46.6	41.30S	173.52E	89	2.5	0.3	16	12
3354	MAR 13	1638 29.4	41.46S	173.79E	43	2.3	0.2	13	9

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3360	MAR 13	2042 3.5	40.56S	174.41E	47	2.1	0.1	7	5
3363	MAR 13	2215 22.7	41.30S	174.50E	55	2.2	0.2	9	7
3367	MAR 14	0136 56.3	40.66S	174.03E	71	2.3	0.1	9	6
3369	MAR 14	0229 5.6	41.06S	174.27E	44	2.3	0.2	13	9
3370	MAR 14	0237 3.2	40.95S	175.54E	23	2.0	0.1	11	8
3381	MAR 14	0936 31.6	41.37S	175.79E	22	3.1	0.2	18	13
3392	MAR 14	1553 24.1	41.70S	174.45E	9	2.7	0.3	20	16
3416	MAR 15	0846 10.8	40.89S	175.67E	28	2.3	0.1	13	10
3418	MAR 15	0928 15.4	41.15S	174.80E	30	2.1	0.1	7	6
3422	MAR 15	1041 0.8	41.19S	175.22E	24	2.0	0.1	14	10
3424	MAR 15	1144 1.6	40.65S	175.47E	32	2.6	0.1	13	10
3433	MAR 15	1717 55.0	41.09S	175.18E	19	2.2	0.2	13	9
3434	MAR 15	1745 58.1	40.64S	175.35E	31	2.2	0.1	8	6
3437	MAR 15	1843 39.9	41.15S	174.80E	30	2.4	0.1	12	10
3438	MAR 15	1913 49.9	41.78S	174.33E	30	2.2	0.2	9	7
3440	MAR 15	2001 22.5	40.62S	174.31E	12R	2.2	0.4	9	7
3442	MAR 15	2138 46.4	41.73S	174.49E	26	2.5	0.1	11	9
3443	MAR 15	2146 8.3	41.74S	174.49E	27	2.5	0.1	13	11
3446	MAR 15	2259 40.5	41.19S	174.00E	56	2.4	0.1	8	6
3447	MAR 15	2345 54.6	41.73S	174.49E	26	2.5	0.1	10	8
3450	MAR 16	0049 16.1	41.66S	174.23E	22	2.1	0.3	12	9
3464	MAR 16	1503 30.8	41.61S	175.40E	20	2.7	0.3	12	9
3467	MAR 16	1527 31.9	41.64S	175.40E	14	2.2	0.2	12	8
3468	MAR 16	1649 35.5	41.75S	174.27E	12R	2.4	0.3	13	10
3470	MAR 16	1916 54.1	41.25S	173.94E	60	2.4	0.1	9	6
3471	MAR 16	2114 44.1	41.66S	175.38E	5R	2.1	0.1	11	8
3473	MAR 16	2345 58.2	40.88S	175.65E	25	2.7	0.2	14	11
3479	MAR 17	0714 14.7	41.24S	174.75E	27	2.3	0.1	10	8
3483	MAR 17	0816 53.2	41.24S	174.75E	27	2.2	0.1	10	9
3485	MAR 17	0920 39.0	41.59S	174.68E	32	2.3	0.1	11	9
3497	MAR 17	1323 3.6	40.81S	175.59E	20	2.2	0.2	14	12
3499	MAR 17	1416 40.7	40.73S	174.08E	65	2.2	0.3	9	6
3502	MAR 17	1511 9.3	40.78S	174.19E	58	2.3	0.3	9	8
3513	MAR 17	2245 51.2	41.71S	173.83E	12	2.8	0.2	16	13
3517	MAR 18	0351 47.2	40.73S	174.49E	75	2.3	0.3	9	6
3524	MAR 18	0643 19.1	40.78S	174.63E	34	2.0	0.1	10	8
3526	MAR 18	0744 23.9	40.73S	174.09E	61	2.0	0.2	7	5
3527	MAR 18	0807 38.8	41.57S	175.36E	18	2.4	0.2	14	10
3529	MAR 18	0917 15.8	41.67S	175.39E	9	2.2	0.1	10	7
3530	MAR 18	1011 51.2	40.60S	174.40E	60	2.5	0.2	15	11
3539	MAR 18	2038 5.0	41.65S	175.39E	21	2.7	0.3	14	12
3541	MAR 18	2109 36.1	41.69S	175.37E	5R	2.0	0.2	11	7
3543	MAR 18	2230 46.6	41.26S	175.03E	24	2.2	0.2	13	10
3544	MAR 18	2251 11.5	41.26S	175.03E	24	2.2	0.1	14	10
3550	MAR 19	0224 6.9	40.99S	175.48E	32	2.0	0.2	12	8

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
3551	MAR 19	0304 37.9	40.59S	174.67E	33	2.4	0.2	12	9
3555	MAR 19	0535 27.9	41.07S	174.44E	14	2.0	0.4	10	8
3556	MAR 19	0558 26.2	40.66S	175.34E	63	3.9	0.2	41	32
3559	MAR 19	0929 36.8	41.63S	174.41E	5R	2.7	0.3	24	17
3560	MAR 19	0932 23.4	41.64S	174.42E	5R	2.0	0.1	11	9
3562	MAR 19	1141 26.0	41.28S	173.60E	80	2.6	0.2	11	9
3572	MAR 20	0042 51.5	41.51S	174.33E	5R	2.1	0.2	9	7
3578	MAR 20	0411 47.5	40.77S	175.35E	27	2.2	0.1	11	8
3579	MAR 20	0417 7.1	41.11S	173.96E	60	2.5	0.2	8	6
3584	MAR 20	0905 1.1	41.15S	174.74E	33	2.0	0.0	7	6
3591	MAR 20	1541 18.3	41.28S	174.85E	48	2.4	0.1	13	10
3596	MAR 20	2222 0.8	41.69S	174.53E	29	2.3	0.2	10	9
3602	MAR 21	0115 39.6	40.94S	175.52E	21	2.4	0.2	12	9
3607	MAR 21	0450 28.3	40.55S	175.05E	33	2.5	0.2	11	8
3609	MAR 21	0618 37.8	41.73S	174.43E	23	2.0	0.1	8	6
3611	MAR 21	0631 31.4	41.06S	174.45E	12R	2.0	0.1	8	6
3613	MAR 21	0708 45.1	41.76S	174.45E	22	2.4	0.1	11	9
3614	MAR 21	0842 59.9	40.56S	174.16E	53	2.1	0.2	8	6
3617	MAR 21	1006 54.5	40.50S	175.91E	42	2.5	0.2	10	8
3618	MAR 21	1007 23.7	41.65S	175.40E	24	2.7	0.3	18	13
3621	MAR 21	1129 7.3	40.62S	175.53E	31	2.1	0.1	9	7
3627	MAR 21	1442 10.3	40.84S	174.47E	68	3.2	0.1	26	20
3630	MAR 21	1706 36.8	40.59S	175.96E	28	2.8	0.2	19	16
3639	MAR 22	0127 49.7	41.20S	174.32E	33	2.5	0.4	20	15
3642	MAR 22	0444 53.9	40.78S	173.61E	84	2.5	0.3	11	8
3650	MAR 22	1049 9.0	40.95S	175.44E	22	2.0	0.2	15	11
3652	MAR 22	1122 44.0	40.95S	175.43E	21	2.3	0.2	16	12
3654	MAR 22	1229 16.4	40.56S	174.23E	66	2.1	0.2	10	7
3656	MAR 22	1306 52.8	41.63S	174.77E	24	2.2	0.2	14	11
3664	MAR 22	1649 50.1	41.71S	174.13E	16	2.1	0.3	13	10
3675	MAR 22	2311 40.5	40.50S	174.11E	83	2.9	0.3	27	19
3676	MAR 22	2321 57.3	41.29S	175.29E	29	2.5	0.1	14	10
3677	MAR 22	2346 21.7	40.92S	175.41E	22	2.0	0.2	12	9
3678	MAR 23	0121 59.5	41.16S	175.11E	20	2.2	0.2	15	10
3685	MAR 23	0251 5.1	41.01S	174.33E	31	2.2	0.2	10	8
3689	MAR 23	0349 34.9	41.00S	174.88E	25	3.2	0.2	23	20
3690	MAR 23	0429 39.9	41.09S	174.72E	31	2.8	0.1	16	13
3693	MAR 23	0557 4.7	40.71S	175.47E	24	2.8	0.2	20	16
3709	MAR 23	1410 20.8	41.60S	174.83E	26	2.2	0.2	12	11
3715	MAR 23	1848 52.1	41.64S	174.30E	6	2.7	0.2	19	16
3716	MAR 23	1913 38.9	41.26S	174.85E	25	2.4	0.1	13	11
3726	MAR 24	0653 32.3	41.83S	173.65E	43	3.4	0.3	22	19
3729	MAR 24	0851 25.3	40.79S	174.73E	35	2.5	0.1	13	10
3738	MAR 24	1211 17.5	40.97S	174.87E	28	3.7F	0.1	22	18
3739	MAR 24	1211 31.4	40.98S	174.87E	27	3.9	0.2	17	12

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
3740	MAR 24	1323 24.2	41.20S	173.98E	55	2.5	0.2	12	9
3764	MAR 25	0830 58.9	41.31S	173.73E	90	2.2	0.1	6	5
3780	MAR 25	1356 58.1	41.11S	174.28E	47	2.4	0.2	11	8
3782	MAR 25	1619 37.4	41.67S	174.53E	56	2.0	0.2	9	8
3797	MAR 26	0521 18.4	41.43S	174.45E	30	2.5	0.2	11	9
3802	MAR 26	1011 25.4	41.05S	175.36E	30	2.1	0.1	13	9
3803	MAR 26	1015 44.6	40.61S	175.48E	30	2.1	0.1	8	5
3808	MAR 26	1414 56.2	40.98S	174.58E	55	3.8F	0.2	31	25
3835	MAR 27	1325 39.5	40.97S	174.86E	28	4.1F	0.1	25	22
3846	MAR 27	2001 32.5	40.51S	174.30E	83	2.6	0.1	13	10
3857	MAR 27	2351 33.8	41.13S	175.44E	29	2.2	0.1	13	10
3860	MAR 28	0252 35.2	41.59S	174.36E	12R	2.3	0.3	13	10
3862	MAR 28	0514 26.5	40.66S	174.09E	85	3.3	0.3	34	24
3863	MAR 28	0525 22.7	41.23S	175.06E	18	2.1	0.1	9	7
3865	MAR 28	0541 56.7	40.51S	175.94E	30	2.1	0.4	9	7
3868	MAR 28	0844 32.5	41.93S	174.14E	14	2.9	0.3	17	14
3884	MAR 28	1304 35.9	40.91S	174.71E	34	2.2	0.1	15	11
3886	MAR 28	1351 45.3	41.80S	174.55E	30	2.8	0.3	20	14
3894	MAR 28	2008 50.6	40.51S	174.75E	28	2.0	0.3	10	7
3897	MAR 28	2104 39.7	41.67S	174.29E	7	2.4	0.2	15	11
3907	MAR 29	0516 19.5	40.98S	174.85E	30	2.8	0.2	12	10
3909	MAR 29	0653 41.3	40.54S	174.66E	30	2.1	0.1	10	7
3912	MAR 29	0720 51.6	40.56S	174.66E	30	2.6	0.3	13	9
3917	MAR 29	1258 52.9	41.71S	174.25E	8	2.3	0.3	12	9
3918	MAR 29	1321 42.2	40.91S	174.71E	35	2.6	0.1	12	10
3919	MAR 29	1334 5.1	40.84S	174.54E	19	2.0	0.1	9	7
3926	MAR 29	1939 21.1	40.86S	175.63E	22	3.2	0.2	14	12
3928	MAR 29	2150 23.2	41.21S	173.63E	88	3.5	0.3	23	14
3930	MAR 29	2310 32.9	40.52S	175.27E	5R	2.2	0.3	10	9
3943	MAR 30	0332 23.0	41.57S	173.99E	12R	2.1	0.2	11	8
3944	MAR 30	0356 41.0	41.13S	173.69E	69	2.6	0.1	13	10
3969	MAR 31	0254 1.5	40.54S	174.69E	31	2.1	0.2	10	6
3977	MAR 31	0814 15.9	40.70S	175.37E	31	2.0	0.1	7	5
4000	MAR 31	2210 7.2	40.80S	174.62E	39	2.2	0.1	11	8
4003	APR 01	0334 47.0	40.84S	174.75E	16	2.0	0.2	9	6
4011	APR 01	0858 43.4	41.29S	175.29E	26	2.0	0.1	9	7
4019	APR 01	1023 2.7	41.09S	174.72E	32	2.3	0.1	16	12
4022	APR 01	1148 5.3	40.91S	174.46E	61	2.8	0.2	15	12
4030	APR 01	1901 32.0	40.78S	174.80E	22	2.5	0.3	16	11
4032	APR 01	1938 32.6	40.94S	174.39E	61	2.0	0.1	8	5
4033	APR 01	1944 43.8	41.35S	174.59E	22	2.1	0.1	9	7
4041	APR 01	2249 38.9	40.98S	173.65E	66	2.5	0.2	9	6
4045	APR 02	0445 32.9	41.00S	175.17E	37	2.0	0.3	9	6
4051	APR 02	0652 11.3	41.47S	174.51E	20	2.9	0.3	21	15
4052	APR 02	0704 5.0	41.05S	174.62E	32	3.1	0.3	21	17

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4053	APR 02	0755 35.6	41.25S	175.33E	27	2.4	0.1	13	9
4057	APR 02	1440 57.5	41.37S	173.59E	84	3.6	0.2	24	17
4060	APR 02	1641 22.2	41.65S	174.37E	5R	2.7	0.3	24	15
4061	APR 02	1723 57.6	41.64S	174.33E	5R	2.6	0.3	16	13
4063	APR 02	1812 47.0	40.67S	173.99E	71	2.5	0.3	9	6
4065	APR 02	1956 29.7	41.59S	174.67E	29	2.3	0.3	9	8
4082	APR 03	1115 5.1	41.61S	173.93E	17	2.5	0.2	11	10
4083	APR 03	1203 58.4	41.29S	173.87E	62	2.9	0.2	11	9
4087	APR 03	1504 55.7	41.43S	173.54E	82	2.5	0.3	12	8
4120	APR 05	0628 27.4	41.13S	174.24E	41	2.0	0.2	7	5
4125	APR 05	0845 42.8	40.78S	174.72E	34	2.7	0.2	16	11
4132	APR 05	1403 17.9	40.55S	174.44E	31	2.0	0.2	8	5
4133	APR 05	1417 18.9	41.12S	173.88E	61	2.5	0.1	9	6
4143	APR 06	0316 6.6	41.66S	174.93E	27	2.2	0.1	8	7
4157	APR 06	1108 3.4	41.05S	174.59E	54	2.0	0.1	8	6
4164	APR 06	1507 30.6	40.73S	174.39E	74	3.0	0.2	18	12
4181	APR 07	0557 33.7	41.13S	174.84E	28	2.1	0.1	9	7
4186	APR 07	0817 7.8	41.53S	173.64E	61	2.5	0.2	9	6
4187	APR 07	0841 23.1	40.58S	174.49E	42	2.0	0.0	6	4
4189	APR 07	0914 45.0	41.64S	174.22E	25	2.5	0.3	20	13
4194	APR 07	0959 51.3	40.68S	174.42E	69	2.1	0.3	7	4
4197	APR 07	1145 15.1	41.54S	175.20E	30	2.5	0.1	9	7
4215	APR 08	0212 29.1	40.93S	176.00E	30	3.3	0.2	18	13
4233	APR 08	1241 9.4	40.99S	174.67E	63	2.3	0.2	9	7
4236	APR 08	1329 41.4	40.67S	173.95E	12R	2.4	0.3	10	7
4249	APR 08	2302 46.9	41.03S	174.47E	44	2.5	0.2	15	11
4252	APR 09	0030 59.6	41.05S	174.61E	32	2.2	0.1	10	9
4254	APR 09	0110 22.4	40.89S	175.72E	27	2.7	0.2	16	12
4255	APR 09	0115 51.2	40.89S	175.75E	30	2.3	0.1	15	11
4256	APR 09	0152 27.9	40.83S	175.05E	36	2.5	0.2	15	11
4261	APR 09	0519 31.0	41.75S	174.53E	27	2.3	0.2	8	7
4264	APR 09	0646 47.8	41.69S	174.65E	28	2.1	0.0	9	6
4274	APR 09	1317 29.9	40.97S	174.73E	34	2.0	0.1	8	6
4285	APR 09	1919 45.4	40.53S	175.74E	33	2.6	0.2	21	17
4287	APR 09	2012 58.1	40.82S	174.70E	43	2.0	0.2	10	8
4303	APR 10	0635 8.0	40.61S	174.41E	49	2.1	0.2	8	6
4311	APR 10	1408 20.9	41.65S	174.27E	9	3.0	0.3	22	18
4344	APR 11	1012 1.9	41.00S	174.69E	60	2.5	0.1	12	8
4345	APR 11	1105 39.9	41.61S	173.62E	54	2.4	0.2	12	8
4351	APR 11	1304 10.9	41.02S	175.11E	26	2.0	0.2	9	6
4356	APR 11	1543 13.5	41.73S	174.12E	15	2.9	0.2	24	18
4363	APR 11	1857 51.9	40.94S	175.06E	31	3.2F	0.2	23	17
4364	APR 11	2000 33.5	40.94S	175.06E	29	2.8	0.2	18	13
4371	APR 11	2358 37.4	40.57S	174.28E	60	2.6	0.1	14	9
4384	APR 12	0620 12.4	40.83S	175.49E	18	2.0	0.2	10	7

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4396	APR 12	1002 16.3	41.19S	175.27E	24	2.3	0.2	13	9
4408	APR 12	1609 47.2	40.60S	173.96E	71	2.9	0.4	16	10
4409	APR 12	1642 18.9	41.81S	174.71E	25	2.3	0.1	7	5
4414	APR 13	0400 19.6	41.96S	173.99E	12	2.5	0.2	11	10
4421	APR 13	1023 18.4	40.88S	174.76E	16	2.1	0.2	7	5
4425	APR 13	1202 23.2	41.29S	175.30E	27	2.5	0.1	11	8
4428	APR 13	1259 20.6	40.69S	173.84E	84	2.5	0.3	9	6
4430	APR 13	1346 58.7	40.93S	175.06E	31	2.1	0.1	10	7
4432	APR 13	1556 21.5	40.59S	175.73E	32	2.7	0.3	11	8
4435	APR 13	1921 34.4	41.05S	174.52E	35	2.2	0.1	7	6
4448	APR 14	0557 31.4	41.22S	175.23E	22	2.3	0.2	14	9
4454	APR 14	1010 4.7	41.72S	174.58E	30	2.7	0.2	14	10
4469	APR 14	2129 10.3	40.96S	174.99E	31	2.1	0.2	12	7
4475	APR 15	0017 41.5	41.01S	174.51E	5R	2.0	0.1	9	6
4477	APR 15	0118 36.1	40.85S	174.57E	34	2.5	0.3	14	10
4484	APR 15	0607 39.9	40.60S	174.33E	52	2.0	0.1	7	5
4485	APR 15	0626 0.4	41.68S	174.40E	34	2.7	0.2	17	14
4486	APR 15	0800 30.7	40.85S	174.79E	47	2.1	0.2	7	5
4487	APR 15	0815 32.3	41.05S	175.93E	32	2.1	0.2	11	8
4520	APR 16	0303 51.7	40.92S	174.69E	33	2.4	0.1	15	11
4521	APR 16	0336 58.9	41.11S	175.15E	27	2.6	0.2	14	11
4527	APR 16	0925 35.6	41.11S	174.65E	55	2.0	0.1	6	5
4529	APR 16	1040 36.4	41.75S	173.84E	27	2.3	0.3	9	6
4532	APR 16	1222 9.2	40.89S	174.41E	46	2.4	0.1	9	6
4533	APR 16	1302 57.8	40.75S	175.70E	27	2.2	0.1	10	6
4542	APR 16	1752 24.9	41.69S	174.56E	29	2.6	0.2	16	12
4547	APR 16	1949 47.6	41.77S	174.53E	27	2.1	0.2	9	7
4551	APR 16	2205 41.6	40.88S	175.72E	30	2.4	0.2	12	7
4561	APR 17	0616 46.1	40.79S	175.69E	27	2.2	0.2	10	7
4566	APR 17	0803 27.0	41.83S	174.48E	5R	2.3	0.3	10	8
4567	APR 17	0828 16.0	40.56S	174.26E	5R	2.3	0.2	8	6
4588	APR 17	1905 16.8	41.44S	174.95E	30	3.6F	0.3	23	19
4589	APR 17	1911 31.2	41.41S	174.94E	28	2.2	0.1	10	8
4594	APR 17	2248 26.3	41.37S	174.01E	48	2.5	0.1	9	6
4618	APR 18	0232 7.4	41.34S	174.62E	30	3.1	0.2	19	14
4619	APR 18	0233 2.7	41.30S	174.63E	30	2.0	0.1	7	5
4629	APR 18	0607 29.5	41.08S	175.41E	22	2.5	0.2	14	10
4633	APR 18	0920 24.8	40.95S	175.39E	9	2.5	0.2	13	10
4636	APR 18	1042 10.1	41.08S	175.40E	27	2.1	0.2	12	9
4638	APR 18	1122 9.4	41.08S	175.40E	28	2.0	0.2	12	8
4640	APR 18	1339 45.7	40.95S	175.59E	31	2.4	0.1	13	10
4653	APR 18	1932 30.0	40.62S	174.16E	74	2.5	0.1	8	6
4671	APR 19	1859 45.2	41.00S	175.65E	32	2.1	0.2	8	6
4683	APR 20	1138 30.4	41.39S	173.79E	56	2.5	0.1	9	7
4685	APR 20	1450 16.9	41.39S	175.45E	14	2.5	0.1	8	6

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
4688	APR 20	1550 37.1	41.10S	173.65E	78	2.9	0.2	10	7
4692	APR 20	2139 18.6	40.55S	175.85E	27	2.5	0.1	9	7
4694	APR 21	0653 9.7	40.89S	175.15E	23	2.2	0.3	11	9
4696	APR 21	1000 45.7	41.04S	174.85E	50	2.8	0.1	12	9
4703	APR 21	1338 41.2	40.55S	174.99E	33	2.1	0.2	11	8
4705	APR 21	1523 32.0	41.45S	174.51E	24	2.1	0.1	8	6
4706	APR 21	1611 18.2	41.98S	173.92E	33R	2.5	0.2	6	3
4709	APR 21	2025 46.4	41.19S	173.83E	65	3.1	0.2	17	11
4719	APR 22	1016 55.4	40.96S	174.47E	63	2.9	0.1	12	10
4720	APR 22	1336 43.4	40.94S	175.04E	27	2.5	0.3	16	11
4728	APR 22	1904 58.7	41.59S	174.64E	28	2.5	0.2	9	7
4735	APR 22	2023 44.9	41.61S	174.65E	27	2.1	0.1	8	7
4742	APR 23	0255 53.2	41.08S	174.68E	31	2.1	0.1	7	6
4745	APR 23	0457 0.9	40.66S	174.90E	13	2.3	0.2	11	7
4746	APR 23	0508 35.6	40.90S	174.83E	34	3.2	0.1	17	13
4748	APR 23	0523 9.6	40.92S	174.83E	33	2.4	0.1	18	12
4749	APR 23	0528 23.0	40.99S	174.83E	57	2.3	0.1	7	5
4756	APR 23	0728 21.2	41.18S	174.69E	31	2.1	0.1	10	8
4758	APR 23	0746 23.7	41.60S	173.77E	51	2.5	0.3	9	6
4759	APR 23	0754 58.9	41.17S	175.08E	10	2.8	0.2	17	12
4761	APR 23	1013 38.8	41.02S	174.78E	31	2.0	0.1	9	6
4762	APR 23	1028 1.4	41.75S	175.01E	30	2.8	0.2	16	11
4776	APR 23	2303 25.3	41.10S	174.00E	56	2.3	0.1	7	5
4792	APR 24	1234 19.6	41.35S	175.92E	27	2.4	0.3	12	10
4794	APR 24	1307 11.9	41.36S	175.92E	30	2.5	0.1	12	9
4800	APR 24	1715 42.1	40.84S	174.45E	27	2.1	0.2	9	6
4805	APR 25	0149 47.7	40.68S	173.69E	102	2.9	0.2	13	11
4823	APR 25	1232 46.6	41.23S	175.19E	25	2.4	0.1	15	12
4824	APR 25	1232 47.0	41.24S	175.19E	28	3.2	0.1	16	12
4826	APR 25	1303 46.5	41.53S	174.80E	26	2.7	0.2	17	12
4835	APR 25	1753 14.9	40.53S	173.94E	115	2.9	0.1	15	10
4838	APR 25	2318 6.1	41.21S	174.63E	58	2.2	0.1	10	7
4839	APR 26	0013 23.3	40.50S	175.06E	5R	2.0	0.3	8	6
4840	APR 26	0102 19.9	40.60S	174.41E	75	3.8	0.3	36	26
4850	APR 26	0742 20.4	41.66S	174.18E	20	2.3	0.2	10	7
4852	APR 26	0850 7.8	40.60S	175.55E	32	2.3	0.1	7	5
4854	APR 26	0909 30.2	41.30S	174.57E	57	2.3	0.0	6	5
4857	APR 26	0944 42.8	40.50S	174.36E	33R	2.2	0.3	13	8
4864	APR 26	1403 56.7	41.57S	174.15E	12R	2.0	0.3	9	7
4873	APR 26	1734 19.7	41.56S	174.09E	22	2.1	0.2	11	9
4876	APR 26	1908 4.8	40.72S	175.56E	31	2.1	0.1	12	9
4895	APR 27	0714 57.7	41.28S	175.32E	27	2.0	0.1	10	8
4909	APR 27	1321 49.0	41.22S	174.89E	32	2.1	0.1	10	6
4915	APR 27	1634 41.9	40.80S	174.70E	5R	2.5	0.2	11	10
4916	APR 27	1709 23.2	40.54S	174.36E	77	2.2	0.2	7	6

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
4922	APR 27	2011 53.6	41.59S	174.46E	12R	2.1	0.2	12	9
4927	APR 27	2104 49.5	41.05S	174.76E	58	2.3	0.1	10	7
4928	APR 27	2118 49.8	41.25S	174.47E	35	2.1	0.1	10	8
4931	APR 27	2222 54.8	40.92S	173.62E	87	2.8	0.3	12	8
4939	APR 28	0513 10.2	40.71S	174.43E	63	2.0	0.1	9	6
4946	APR 28	1027 40.4	40.53S	174.69E	21	2.4	0.2	18	14
4957	APR 28	1839 31.8	40.60S	174.76E	45	2.0	0.2	10	7
4959	APR 28	1932 51.2	40.67S	174.14E	70	3.0	0.2	14	10
4967	APR 29	0306 37.9	41.57S	174.00E	13	2.8	0.2	23	16
4969	APR 29	0320 60.0	40.82S	175.76E	28	2.7	0.2	12	9
4970	APR 29	0331 49.6	41.41S	174.17E	38	2.7	0.2	17	13
4980	APR 29	0846 9.0	40.51S	175.86E	29	2.9	0.2	17	14
4982	APR 29	0936 34.4	41.74S	174.23E	25	2.3	0.2	11	9
4985	APR 29	0953 3.8	41.29S	174.15E	40	2.2	0.3	8	6
4987	APR 29	1117 47.4	41.54S	174.14E	5R	2.4	0.3	16	13
4993	APR 29	1404 14.8	41.26S	173.74E	58	2.3	0.2	8	6
5003	APR 29	1648 38.8	41.04S	175.04E	45	2.3	0.1	13	10
5010	APR 29	2105 24.5	40.84S	175.32E	25	2.8	0.2	17	14
5016	APR 30	0200 59.4	41.57S	173.99E	14	2.6	0.2	19	16
5022	APR 30	0504 52.7	40.66S	175.16E	32	2.7	0.1	14	11
5024	APR 30	0619 28.4	41.13S	175.44E	26	2.3	0.2	15	11
5033	APR 30	1542 48.2	41.68S	173.93E	34	2.1	0.3	8	6
5045	MAY 01	0017 16.5	40.62S	175.84E	29	2.2	0.0	6	3
5048	MAY 01	0106 53.5	40.58S	175.97E	33R	2.1	0.1	6	3
5056	MAY 01	1044 13.6	41.21S	173.65E	103	2.6	0.1	11	8
5066	MAY 01	1436 12.1	41.07S	174.54E	66	3.7	0.2	41	30
5070	MAY 01	1924 5.1	41.21S	175.22E	18	2.5	0.3	18	12
5071	MAY 01	1952 29.6	40.87S	175.00E	50	2.5	0.2	13	9
5073	MAY 01	2018 52.2	40.50S	174.40E	87	2.5	0.2	10	7
5076	MAY 01	2121 4.1	41.10S	174.14E	54	2.4	0.1	9	6
5078	MAY 01	2241 20.2	41.10S	174.85E	28	2.8	0.2	20	15
5086	MAY 02	0755 58.8	40.54S	173.83E	102	3.6	0.2	37	27
5098	MAY 02	2049 51.3	41.58S	174.61E	28	2.3	0.2	9	7
5110	MAY 03	0802 15.6	41.36S	174.96E	26	2.2	0.1	10	8
5118	MAY 03	1601 40.7	40.68S	175.75E	29	2.4	0.2	10	8
5123	MAY 04	0053 39.5	41.80S	173.56E	53	2.5	0.1	10	7
5132	MAY 04	1129 21.7	41.81S	173.61E	45	2.2	0.1	9	5
5142	MAY 04	1739 13.3	41.08S	175.46E	24	2.7	0.1	18	13
5145	MAY 04	1928 6.7	41.69S	174.31E	5R	2.1	0.3	10	8
5154	MAY 05	0824 44.7	40.75S	174.47E	71	3.2	0.2	19	15
5155	MAY 05	1018 6.3	40.64S	173.51E	115	2.7	0.3	12	9
5165	MAY 05	1845 20.3	41.01S	174.57E	61	2.7	0.0	13	10
5173	MAY 06	0357 21.1	41.24S	175.02E	22	3.3F	0.2	19	16
5175	MAY 06	0554 5.7	41.11S	174.58E	32	2.2	0.2	12	10
5189	MAY 06	0749 32.8	41.80S	174.02E	32	3.1	0.3	28	20

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5194	MAY 06	1016 36.4	41.28S	174.76E	27	2.2	0.2	14	11
5196	MAY 06	1045 36.5	40.84S	174.63E	53	2.0	0.1	8	6
5201	MAY 06	1317 46.2	40.61S	175.05E	32	2.2	0.2	14	10
5212	MAY 06	1924 58.3	41.56S	174.79E	26	2.1	0.2	12	9
5214	MAY 06	1933 16.9	40.82S	174.10E	58	2.3	0.2	10	6
5222	MAY 07	0201 37.6	40.69S	175.83E	31	2.4	0.2	13	10
5223	MAY 07	0248 12.8	41.05S	173.63E	60	2.1	0.2	7	5
5225	MAY 07	0309 34.1	41.08S	174.43E	44	2.5	0.1	10	7
5228	MAY 07	0432 58.4	40.80S	175.85E	27	2.2	0.2	10	7
5247	MAY 07	1528 45.0	41.04S	174.80E	56	2.5	0.1	11	8
5270	MAY 07	2341 46.5	40.66S	174.32E	33R	2.1	0.2	10	7
5272	MAY 08	0142 53.5	41.09S	174.51E	36	2.2	0.2	8	7
5273	MAY 08	0232 31.3	41.08S	175.47E	29	2.4	0.1	14	10
5274	MAY 08	0250 55.8	40.59S	175.76E	31	2.1	0.1	7	5
5277	MAY 08	0723 42.4	40.90S	175.70E	25	2.6	0.1	18	13
5280	MAY 08	0805 54.6	41.38S	174.97E	27	2.0	0.1	11	9
5299	MAY 08	2104 2.0	40.99S	175.92E	32	2.0	0.2	8	7
5303	MAY 08	2154 9.5	40.98S	175.18E	30	2.0	0.1	7	6
5307	MAY 08	2351 15.2	41.37S	174.69E	18	2.4	0.2	15	11
5316	MAY 09	0714 27.1	40.67S	174.81E	34	2.4	0.1	12	8
5317	MAY 09	0753 40.9	41.04S	174.52E	62	2.5	0.0	11	9
5321	MAY 09	1006 59.6	41.03S	174.19E	46	2.6	0.2	13	11
5322	MAY 09	1007 50.5	41.04S	174.20E	50	2.9	0.2	14	9
5323	MAY 09	1240 5.0	40.50S	174.24E	92	3.4	0.3	18	15
5324	MAY 09	1307 41.3	40.50S	174.75E	33	2.2	0.2	10	6
5325	MAY 09	1319 48.1	40.89S	175.54E	27	2.7	0.1	12	10
5326	MAY 09	1335 9.0	41.34S	174.59E	19	2.3	0.2	12	9
5329	MAY 09	1609 14.5	40.67S	173.64E	136	2.9	0.1	11	9
5358	MAY 10	1921 20.7	41.00S	175.56E	11	2.4	0.1	13	10
5381	MAY 11	1317 34.2	41.00S	174.70E	63	2.4	0.1	13	9
5385	MAY 11	1646 50.3	40.83S	174.77E	16	2.3	0.2	15	9
5388	MAY 11	1817 29.4	41.07S	174.76E	50	2.2	0.1	10	7
5394	MAY 11	2325 56.0	40.87S	175.35E	25	3.0	0.2	18	13
5399	MAY 12	0320 14.0	41.81S	174.36E	47	3.4	0.2	25	19
5400	MAY 12	0409 47.3	41.11S	174.80E	27	2.0	0.1	8	5
5406	MAY 12	1038 47.8	40.98S	174.51E	36	2.6	0.2	12	8
5410	MAY 12	1640 26.1	40.90S	174.48E	55	2.5	0.1	7	6
5415	MAY 12	2340 10.8	40.97S	174.94E	44	2.6	0.1	11	9
5419	MAY 13	0044 33.4	41.07S	174.02E	52	2.4	0.1	6	4
5424	MAY 13	0424 39.8	41.01S	174.86E	47	2.8	0.1	14	10
5431	MAY 13	1442 40.3	41.24S	175.17E	17	2.3	0.1	17	11
5435	MAY 13	1628 3.1	41.33S	175.11E	23	2.1	0.1	8	6
5436	MAY 13	1719 54.5	40.56S	174.47E	33	2.7	0.2	14	9
5444	MAY 13	2003 27.0	41.20S	173.50E	83	3.0	0.3	16	12
5447	MAY 13	2132 10.4	40.61S	174.42E	47	2.7	0.2	13	9

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
5449	MAY 13	2222 4.5	40.60S	174.40E	45	2.2	0.1	9	6
5450	MAY 13	2306 27.2	41.12S	173.89E	61	2.7	0.2	18	12
5451	MAY 13	2327 18.1	40.60S	175.42E	32	2.3	0.1	12	9
5453	MAY 14	0118 39.6	40.96S	175.45E	25	2.0	0.1	10	7
5463	MAY 14	0559 16.7	41.28S	173.72E	68	2.5	0.1	11	8
5467	MAY 14	0841 38.2	41.25S	175.17E	27	2.6	0.1	16	12
5470	MAY 14	1056 31.8	41.33S	174.85E	51	4.3F	0.1	31	25
5474	MAY 14	1444 33.0	41.10S	175.10E	8	2.1	0.2	10	8
5489	MAY 15	0511 35.7	40.86S	175.81E	39	2.9	0.2	14	11
5492	MAY 15	0606 47.2	40.73S	174.38E	72	2.8	0.2	18	12
5494	MAY 15	0724 20.9	40.55S	175.01E	37	3.1	0.3	25	18
5495	MAY 15	0730 52.8	41.43S	175.46E	26	2.6	0.2	12	10
5511	MAY 16	0810 55.2	41.67S	174.26E	6	2.3	0.3	12	8
5512	MAY 16	1056 22.9	41.11S	174.82E	27	2.4	0.1	13	10
5514	MAY 16	1349 14.6	41.00S	173.71E	83	3.1	0.2	20	13
5521	MAY 17	0228 39.8	40.58S	174.39E	81	2.4	0.1	9	6
5525	MAY 17	0718 30.1	41.11S	174.53E	60	2.1	0.0	7	5
5528	MAY 17	1046 8.2	41.40S	173.93E	51	2.7	0.3	16	11
5545	MAY 18	0132 22.8	40.79S	175.24E	31	2.5	0.1	14	11
5546	MAY 18	0253 9.3	41.74S	173.69E	47	2.7	0.3	20	14
5548	MAY 18	0313 2.5	40.80S	174.75E	62	2.3	0.1	7	6
5551	MAY 18	0430 8.5	41.67S	174.54E	44	2.6	0.2	10	9
5552	MAY 18	0438 12.8	41.04S	173.83E	55	2.6	0.2	10	7
5564	MAY 18	1133 59.9	40.87S	174.21E	51	2.6	0.2	11	8
5575	MAY 18	1943 30.3	41.27S	174.14E	40	2.4	0.1	8	7
5580	MAY 19	0107 29.4	41.12S	174.81E	50	2.0	0.1	9	7
5584	MAY 19	0640 43.5	41.14S	173.95E	54	2.7	0.2	12	9
5590	MAY 19	1341 57.5	40.80S	175.25E	34	2.1	0.2	7	5
5591	MAY 19	1350 44.1	41.09S	174.07E	49	2.7	0.2	20	12
5592	MAY 19	1435 46.5	41.60S	173.71E	33R	2.8	0.4	15	11
5598	MAY 19	2301 40.9	40.52S	174.47E	74	2.5	0.1	11	7
5606	MAY 20	0922 40.9	40.62S	174.59E	5R	2.1	0.2	7	5
5607	MAY 20	1042 14.9	41.28S	173.74E	55	2.3	0.2	9	7
5616	MAY 20	2233 51.5	41.24S	175.19E	24	2.5	0.1	16	11
5628	MAY 21	1242 55.1	40.83S	174.51E	53	2.2	0.1	7	6
5645	MAY 22	0132 47.5	41.72S	175.16E	40	2.9	0.2	19	14
5648	MAY 22	0240 51.5	40.50S	174.35E	83	2.8	0.1	13	10
5651	MAY 22	0313 37.8	41.06S	174.19E	56	2.5	0.1	13	8
5652	MAY 22	0333 29.8	40.83S	175.40E	23	3.6	0.2	28	22
5656	MAY 22	0559 10.7	40.51S	175.40E	33	2.1	0.2	9	7
5664	MAY 22	1031 41.7	41.39S	173.68E	71	4.1F	0.3	20	16
5668	MAY 22	1243 36.4	40.81S	175.40E	26	2.6	0.1	15	12
5673	MAY 22	1416 49.8	40.59S	175.51E	29	2.0	0.2	11	8
5675	MAY 22	1711 8.2	40.55S	174.11E	60	2.5	0.2	9	6
5684	MAY 23	0252 54.6	40.50S	174.45E	44	2.2	0.2	10	7

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
5690	MAY 23	1431 17.8	41.16S	175.26E	30	2.0	0.1	11	8
5705	MAY 24	0052 57.6	41.53S	175.23E	25	2.0	0.1	8	6
5713	MAY 24	0739 28.8	41.45S	173.80E	51	2.8	0.2	13	10
5716	MAY 24	1122 33.1	41.30S	175.15E	37	3.0	0.1	15	10
5717	MAY 24	1156 58.0	41.57S	174.38E	5R	2.1	0.1	7	5
5721	MAY 24	1601 43.8	41.75S	174.47E	28	2.8	0.2	15	12
5728	MAY 24	2246 4.0	40.81S	175.40E	26	2.3	0.2	14	10
5735	MAY 25	0521 38.0	41.60S	175.37E	24	3.1	0.2	18	14
5740	MAY 25	0816 42.7	40.59S	175.52E	29	2.2	0.1	13	8
5751	MAY 25	1732 15.3	41.17S	174.52E	35	2.6	0.2	14	12
5768	MAY 26	0432 48.6	40.50S	174.52E	48	2.9	0.2	17	12
5770	MAY 26	0824 51.1	40.60S	174.24E	64	2.6	0.2	10	7
5772	MAY 26	1129 17.8	40.81S	175.41E	28	2.4	0.2	14	10
5774	MAY 26	1554 44.3	41.39S	175.77E	20	2.8	0.2	12	10
5777	MAY 26	1636 50.9	41.36S	175.75E	15	2.4	0.1	12	9
5778	MAY 26	1802 21.2	41.68S	174.50E	29	2.3	0.2	9	7
5779	MAY 26	1937 32.9	41.96S	174.37E	32	2.6	0.1	10	6
5781	MAY 26	2140 38.8	41.38S	175.76E	18	3.1	0.2	14	10
5789	MAY 27	0513 54.4	40.52S	173.57E	142	3.4	0.3	16	13
5803	MAY 27	2209 8.5	41.29S	175.30E	28	2.6	0.1	13	9
5806	MAY 28	0027 37.1	40.85S	174.54E	24	2.3	0.2	12	9
5808	MAY 28	0429 28.1	41.07S	174.47E	62	2.3	0.0	10	7
5815	MAY 28	2319 21.9	40.67S	174.58E	34	2.4	0.2	11	8
5816	MAY 29	0040 2.0	40.52S	174.31E	57	2.7	0.2	10	7
5827	MAY 29	1250 27.5	40.55S	173.89E	119	2.8	0.3	8	5
5832	MAY 30	0308 1.5	41.43S	174.99E	23	2.5	0.2	12	10
5834	MAY 30	0404 20.8	41.60S	174.34E	15	4.3F	0.2	23	18
5836	MAY 30	0706 43.5	41.00S	175.56E	25	2.3	0.2	15	11
5837	MAY 30	0739 28.6	41.62S	174.78E	32	2.4	0.2	9	8
5838	MAY 30	0750 4.1	41.63S	174.80E	26	2.1	0.2	9	8
5842	MAY 30	0953 56.3	41.66S	173.70E	37	2.4	0.2	10	8
5845	MAY 30	1956 59.7	41.36S	175.08E	36	2.6	0.1	17	12
5848	MAY 30	2212 0.2	40.66S	175.75E	29	2.9	0.2	17	13
5849	MAY 30	2236 1.9	41.35S	174.22E	36	2.5	0.3	9	7
5851	MAY 30	2335 32.0	40.65S	175.49E	30	2.4	0.2	13	9
5863	MAY 31	1221 22.4	40.89S	175.49E	23	2.3	0.1	15	11
5866	MAY 31	1729 47.5	40.62S	175.51E	30	2.3	0.2	15	11
5870	MAY 31	2002 36.2	41.38S	174.96E	28	2.7	0.1	16	12
5880	JUN 01	0158 30.9	40.76S	174.70E	40	3.0	0.1	16	11
5891	JUN 01	1500 12.2	41.02S	174.57E	58	2.7	0.1	15	10
5900	JUN 01	1907 25.4	41.06S	175.84E	31	2.0	0.1	10	7
5913	JUN 02	0632 37.9	41.11S	174.84E	50	2.1	0.1	9	7
5922	JUN 02	1705 48.6	40.51S	175.48E	46	2.3	0.1	7	5
5925	JUN 02	1740 42.4	40.53S	175.46E	12R	2.5	0.3	11	9
5928	JUN 02	2006 3.7	40.57S	174.81E	20	2.0	0.2	9	6

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5936	JUN 03	0833 1.9	41.31S	174.68E	19	2.4	0.2	14	10
5943	JUN 03	1306 56.0	41.67S	175.45E	12	2.2	0.2	11	9
5947	JUN 03	1522 27.1	41.21S	174.31E	42	2.9	0.2	17	13
5949	JUN 03	1711 37.1	40.68S	173.58E	123	2.8	0.1	13	11
5950	JUN 03	1751 22.1	41.43S	174.73E	30	2.8	0.2	19	14
5951	JUN 03	1910 23.5	41.68S	174.23E	10	2.0	0.2	14	10
5953	JUN 03	1918 4.3	41.72S	174.29E	9	3.4	0.2	24	18
5954	JUN 03	2021 12.7	41.70S	174.23E	10	2.4	0.4	12	10
5955	JUN 03	2026 29.0	41.72S	174.26E	10	2.4	0.3	15	12
5958	JUN 03	2229 2.2	40.92S	174.91E	62	2.2	0.1	11	8
5959	JUN 03	2231 14.5	41.71S	174.26E	10	2.3	0.2	13	11
5960	JUN 03	2331 24.7	41.19S	174.80E	31	2.1	0.2	11	7
5968	JUN 04	0222 54.4	40.63S	175.48E	30	2.6	0.2	16	12
5974	JUN 04	0424 34.6	41.72S	174.27E	9	2.5	0.2	22	17
5975	JUN 04	0529 15.4	41.73S	174.25E	13	2.6	0.2	17	13
5976	JUN 04	0538 25.7	41.71S	174.26E	9	2.2	0.1	11	9
5977	JUN 04	0548 34.1	40.69S	173.89E	85	2.6	0.2	7	6
5979	JUN 04	0706 50.7	40.97S	175.25E	18	2.1	0.3	10	8
5982	JUN 04	0820 13.4	41.09S	173.96E	58	2.3	0.2	9	7
5983	JUN 04	0907 31.2	41.60S	174.33E	28	2.6	0.2	13	12
5984	JUN 04	0948 27.3	40.86S	175.61E	21	2.4	0.1	16	12
5992	JUN 04	1445 28.4	41.65S	175.43E	18	2.4	0.2	12	9
5999	JUN 04	1927 22.6	40.87S	174.74E	16	2.0	0.0	6	4
6006	JUN 05	0057 15.0	41.13S	174.64E	55	2.5	0.1	13	11
6008	JUN 05	0402 22.0	41.73S	174.53E	25	2.3	0.1	13	9
6010	JUN 05	0702 13.3	41.59S	174.64E	30	2.2	0.1	12	11
6014	JUN 05	0905 30.5	40.75S	174.90E	34	2.3	0.2	12	10
6015	JUN 05	0915 15.2	41.36S	175.11E	28	2.4	0.1	15	11
6017	JUN 05	1219 54.2	41.00S	175.25E	17	2.5	0.3	15	12
6030	JUN 06	0746 53.6	40.81S	174.19E	70	3.8F	0.2	22	19
6031	JUN 06	0908 19.4	41.41S	175.01E	26	2.7	0.1	19	13
6044	JUN 06	2123 22.2	41.78S	174.54E	27	2.4	0.3	11	9
6045	JUN 06	2234 37.1	40.72S	174.15E	46	2.3	0.2	11	9
6046	JUN 06	2314 11.2	41.71S	174.49E	26	2.0	0.1	7	5
6051	JUN 07	0356 52.4	41.58S	173.97E	12	3.0	0.3	23	17
6063	JUN 07	1141 43.8	41.27S	173.68E	83	2.2	0.1	9	6
6069	JUN 07	1410 11.6	40.52S	173.63E	152	2.7	0.1	9	7
6073	JUN 07	1533 20.5	41.61S	173.92E	14	2.1	0.2	12	10
6077	JUN 07	1722 54.7	41.65S	174.29E	10	2.6	0.2	25	17
6085	JUN 08	0002 19.8	41.64S	174.78E	27	2.6	0.2	15	12
6086	JUN 08	0030 57.5	40.57S	174.21E	92	2.7	0.1	11	8
6092	JUN 08	0300 13.9	40.61S	174.53E	62	2.6	0.1	11	9
6098	JUN 08	0828 23.9	40.87S	175.25E	25	2.0	0.1	14	10
6117	JUN 08	1823 39.3	41.66S	174.28E	12	2.1	0.2	13	9
6125	JUN 08	2221 20.5	41.49S	174.68E	25	2.0	0.1	10	8

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6127	JUN 09	0105 3.2	40.77S	175.33E	28	2.6	0.1	14	11
6128	JUN 09	0207 37.1	40.87S	174.97E	38	2.0	0.1	8	6
6133	JUN 09	0453 12.4	41.59S	174.32E	20	2.1	0.2	12	9
6142	JUN 09	1554 9.8	40.84S	175.21E	31	2.8	0.2	19	14
6143	JUN 09	1611 12.8	41.25S	175.16E	25	2.1	0.1	9	8
6150	JUN 10	0509 35.8	41.67S	174.64E	30	2.6	0.2	18	14
6159	JUN 10	1017 52.7	41.72S	174.55E	26	2.6	0.2	15	11
6161	JUN 10	1035 21.8	40.69S	174.42E	67	2.5	0.2	12	8
6178	JUN 10	2127 22.2	40.95S	175.05E	28	2.1	0.2	10	8
6183	JUN 11	0244 4.6	41.04S	174.86E	51	2.5	0.1	12	8
6190	JUN 11	0906 36.5	41.11S	175.13E	26	2.3	0.2	14	11
6193	JUN 11	1038 19.1	40.78S	175.70E	29	2.1	0.2	10	7
6198	JUN 11	1736 38.2	41.23S	175.18E	12	2.4	0.1	13	9
6203	JUN 11	2253 14.9	41.40S	174.90E	20	2.1	0.2	8	7
6205	JUN 12	0040 1.8	40.61S	174.59E	50	2.5	0.2	9	7
6209	JUN 12	0538 59.2	41.38S	175.75E	12R	2.1	0.2	8	6
6210	JUN 12	0932 4.0	41.07S	174.71E	30	3.1	0.2	20	15
6240	JUN 13	0343 28.2	40.77S	174.78E	39	2.4	0.2	7	6
6243	JUN 13	0608 14.7	41.42S	173.59E	87	3.2	0.2	19	14
6246	JUN 13	0925 41.4	41.12S	175.25E	12	3.4F	0.2	23	18
6250	JUN 13	1059 12.4	41.13S	175.24E	13	2.1	0.1	12	9
6251	JUN 13	1122 59.3	41.13S	175.24E	14	2.2	0.1	11	8
6257	JUN 13	1524 24.7	41.69S	174.30E	14	3.1	0.3	25	19
6259	JUN 13	1611 48.8	41.37S	175.01E	25	2.1	0.0	10	8
6265	JUN 13	1914 42.0	41.58S	173.98E	13	2.5	0.2	16	12
6267	JUN 13	2033 25.9	41.78S	174.35E	24	2.7	0.1	17	13
6274	JUN 14	0106 20.9	41.65S	174.77E	23	2.1	0.1	6	5
6279	JUN 14	0652 20.7	40.95S	174.69E	61	2.2	0.0	6	5
6281	JUN 14	0811 7.9	40.88S	175.69E	28	3.0	0.2	16	13
6288	JUN 14	1634 54.0	41.14S	175.25E	13	2.1	0.1	9	6
6296	JUN 15	0020 52.0	41.85S	174.18E	28	2.3	0.2	9	7
6303	JUN 15	0219 57.7	40.53S	173.91E	112	2.9	0.1	12	9
6304	JUN 15	0319 35.5	41.97S	174.21E	33R	2.0	0.2	10	6
6305	JUN 15	0337 35.3	41.57S	174.06E	18	2.0	0.2	10	7
6319	JUN 15	1232 38.5	40.88S	175.98E	30	2.3	0.2	12	8
6321	JUN 15	1542 2.0	41.23S	174.56E	36	2.5	0.2	13	10
6323	JUN 15	1751 44.2	40.72S	175.34E	28	2.2	0.2	15	11
6325	JUN 15	1808 29.9	40.51S	173.86E	94	3.2	0.2	22	14
6330	JUN 15	2249 23.9	41.70S	174.32E	12R	2.6	0.3	16	12
6334	JUN 16	0303 16.6	41.07S	174.47E	39	2.4	0.1	9	6
6335	JUN 16	0352 19.8	41.01S	175.37E	29	2.0	0.1	7	5
6339	JUN 16	0627 38.4	40.50S	175.91E	54	2.5F	0.2	8	4
6343	JUN 16	1051 1.7	41.79S	174.11E	25	2.0	0.1	6	5
6345	JUN 16	1140 41.5	40.95S	174.71E	58	2.3	0.1	7	6
6348	JUN 16	1514 13.6	40.93S	174.82E	50	3.0	0.1	14	10

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6349	JUN 16	1524 59.5	40.91S	174.71E	57	2.0	0.1	7	6
6356	JUN 16	2120 15.2	41.34S	175.67E	23	2.5	0.1	11	8
6359	JUN 17	0001 17.2	41.72S	174.27E	14	2.6	0.3	16	12
6360	JUN 17	0024 29.7	41.59S	174.33E	16	2.9	0.2	21	17
6361	JUN 17	0028 59.0	41.08S	175.07E	33	2.3F	0.1	10	7
6362	JUN 17	0029 26.8	41.60S	174.33E	15	4.1	0.2	27	19
6363	JUN 17	0049 32.0	41.60S	174.34E	16	2.7	0.2	17	13
6365	JUN 17	0209 33.8	41.59S	174.33E	17	2.6	0.1	17	13
6366	JUN 17	0314 38.5	40.95S	175.97E	30	2.8	0.3	14	11
6368	JUN 17	0534 4.1	40.58S	175.31E	33	3.2	0.3	27	22
6372	JUN 17	0658 58.4	40.84S	174.55E	54	2.1	0.1	9	6
6375	JUN 17	0819 18.0	41.55S	174.33E	22	2.2	0.2	12	9
6377	JUN 17	0852 1.0	40.91S	175.97E	30	2.1	0.2	12	9
6379	JUN 17	0950 9.6	41.05S	174.32E	51	2.0	0.2	7	4
6383	JUN 17	1148 11.8	41.08S	175.95E	12R	2.1	0.2	6	3
6385	JUN 17	1234 19.9	41.39S	175.06E	28	2.1	0.1	9	6
6386	JUN 17	1307 31.8	41.59S	174.34E	18	2.2	0.2	17	12
6389	JUN 17	1803 43.6	41.58S	174.33E	15	2.5	0.2	18	14
7105	JUN 18	1310 16.6	40.87S	175.21E	28	2.7	0.3	13	10
7163	JUN 18	1428 36.6	41.56S	174.45E	23	2.2	0.1	9	6
7406	JUN 18	2033 5.6	41.18S	174.53E	33	2.7	0.1	11	8
7420	JUN 18	2051 21.6	41.41S	173.73E	78	3.1	0.2	12	10
7619	JUN 19	0449 17.9	41.67S	174.24E	27	2.3	0.2	8	6
7633	JUN 19	0540 25.1	40.96S	175.91E	12R	2.3	0.2	10	6
7832	JUN 19	1235 51.1	41.01S	174.28E	46	3.1	0.2	14	11
8505	JUN 20	0454 58.4	41.08S	174.50E	53	2.8	0.2	11	7
9454	JUN 20	2132 39.6	41.37S	175.30E	16	2.0	0.1	7	5
9566	JUN 20	2342 10.0	40.59S	174.72E	72	2.0	0.1	8	5
9665	JUN 21	0128 21.0	41.12S	173.94E	57	2.4	0.3	10	7
10174	JUN 21	1049 55.5	41.19S	173.58E	100	3.0	0.2	17	11
10181	JUN 21	1102 5.5	41.70S	174.54E	25	2.1	0.1	9	6
10193	JUN 21	1122 51.4	41.53S	174.49E	18	2.9	0.2	22	16
10249	JUN 21	1338 18.3	40.93S	174.90E	34	2.9	0.1	15	11
10395	JUN 21	1739 22.1	40.92S	175.95E	21	2.1	0.2	15	9
10413	JUN 21	1810 26.3	40.87S	175.13E	31	2.1	0.2	17	10
10447	JUN 21	1858 7.4	40.99S	174.51E	47	2.1	0.1	11	7
10485	JUN 21	2006 41.0	41.51S	174.18E	33	2.4	0.1	13	9
10504	JUN 21	2040 51.4	41.62S	174.27E	5R	3.0	0.2	22	17
11353	JUN 22	2227 18.1	41.05S	174.69E	47	2.3	0.1	9	5
11447	JUN 23	0159 21.5	40.84S	174.71E	17	2.6	0.2	15	10
11558	JUN 23	0601 10.0	41.52S	175.66E	29	2.6	0.1	11	8
11564	JUN 23	0609 35.6	40.84S	175.64E	26	2.3	0.1	16	10
11572	JUN 23	0626 51.8	41.67S	174.32E	22	2.6	0.2	16	14
11979	JUN 23	2102 51.4	41.17S	173.81E	62	2.8	0.2	11	8
12570	JUN 25	0012 48.6	41.36S	174.48E	61	2.8	0.2	10	9

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12579	JUN 25	0041 10.5	41.28S	175.52E	24	2.1	0.1	11	9
12724	JUN 25	0621 19.2	40.91S	174.49E	42	2.3	0.2	8	6
12961	JUN 25	1500 56.2	41.63S	174.63E	30	2.1	0.1	7	5
12985	JUN 25	1539 24.8	40.99S	175.25E	28	2.1	0.2	8	7
13006	JUN 25	1637 33.7	40.86S	175.43E	31	2.2	0.1	10	8
13092	JUN 25	1945 6.6	40.98S	175.91E	31	2.4	0.2	13	9
13802	JUN 27	0014 54.1	40.67S	174.09E	84	2.9	0.2	15	11
13966	JUN 27	0648 30.4	41.00S	174.62E	58	2.6	0.0	9	8
14034	JUN 27	0855 55.8	41.16S	175.11E	26	2.1	0.1	12	9
14268	JUN 27	1646 30.0	41.64S	174.35E	30	2.1	0.2	11	9
14277	JUN 27	1720 18.4	41.75S	174.51E	28	2.5	0.2	14	13
14501	JUN 28	0333 56.2	41.19S	174.67E	33	2.0	0.1	9	8
14505	JUN 28	0342 29.7	41.74S	173.63E	37	2.7	0.3	14	12
14530	JUN 28	0452 27.4	40.94S	175.51E	19	2.0	0.2	14	11
14543	JUN 28	0534 55.8	41.37S	174.69E	20	2.0	0.2	9	8
14549	JUN 28	0544 47.9	41.93S	174.20E	12R	2.5	0.4	16	13
14587	JUN 28	0707 0.2	40.76S	174.96E	37	2.2	0.1	11	8
14593	JUN 28	0728 26.0	40.82S	175.75E	31	2.0	0.2	9	6
14696	JUN 28	1218 34.6	40.62S	174.97E	33	2.4	0.1	10	7
14856	JUN 28	1951 46.8	41.22S	175.46E	17	2.1	0.1	12	8
14931	JUN 28	2351 24.8	40.98S	174.52E	43	2.3	0.1	9	6
14959	JUN 29	0117 47.5	41.01S	174.85E	30	2.5	0.1	13	10
14988	JUN 29	0220 57.8	41.73S	174.45E	24	2.5	0.1	10	7
15151	JUN 29	1000 40.2	41.22S	174.64E	33	3.0	0.2	19	15
15190	JUN 29	1224 2.0	41.28S	174.47E	37	3.1	0.1	23	19
15254	JUN 29	1553 59.0	41.57S	174.23E	12R	2.2	0.3	11	8
15295	JUN 29	1748 5.2	40.76S	174.75E	36	2.8	0.2	16	12
15325	JUN 29	1934 31.6	40.50S	174.64E	28	2.3	0.4	7	5
15350	JUN 29	2058 8.8	41.37S	174.42E	40	3.2	0.1	21	17
15386	JUN 29	2253 6.0	40.61S	175.80E	30	2.3	0.2	12	9
15403	JUN 30	0002 48.6	41.01S	174.71E	56	2.4	0.1	9	7
15525	JUN 30	0748 36.8	41.30S	174.88E	22	2.5	0.1	16	13
15589	JUN 30	1112 42.3	40.86S	174.85E	46	2.1	0.1	9	6
15713	JUN 30	1832 49.6	40.96S	175.64E	24	3.2	0.2	19	14
15718	JUN 30	1840 30.6	40.96S	175.65E	25	2.1	0.1	13	10
15725	JUN 30	1853 54.5	41.70S	174.31E	5R	2.3	0.3	10	6
15800	JUN 30	2303 48.5	41.26S	174.57E	59	3.2	0.2	23	17
15824	JUL 01	0005 32.8	40.85S	174.07E	70	2.5	0.2	10	8
15970	JUL 01	0831 26.6	40.65S	175.79E	28	2.8	0.2	19	14
15972	JUL 01	0836 31.5	40.66S	175.79E	31	2.0	0.0	5	3
16276	JUL 02	0548 24.8	41.50S	174.73E	51	2.8	0.1	11	9
16349	JUL 02	1021 10.6	41.18S	174.53E	34	2.1	0.1	9	7
16365	JUL 02	1120 15.6	40.53S	175.01E	32	2.4	0.2	12	8
16500	JUL 02	2214 13.1	41.54S	174.27E	5R	2.1	0.3	12	10
16562	JUL 03	0258 4.1	40.97S	175.98E	33	2.0	0.2	10	8

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16593	JUL 03	0640 20.3	40.57S	174.02E	104	3.1	0.1	17	13
16642	JUL 03	1033 57.4	41.74S	173.79E	16	2.8	0.2	20	16
16740	JUL 03	1904 13.2	41.16S	174.57E	33	2.1	0.1	12	9
16758	JUL 03	2029 27.4	41.07S	175.38E	31	2.9	0.3	17	13
16795	JUL 04	0053 8.9	41.49S	173.72E	53	2.8	0.3	18	12
16802	JUL 04	0219 33.7	41.58S	174.31E	16	2.7	0.2	22	17
16806	JUL 04	0243 33.0	40.83S	175.20E	41	2.1	0.1	5	3
16822	JUL 04	0428 22.8	41.59S	174.31E	22	2.0	0.0	8	6
16882	JUL 04	1142 29.2	40.52S	175.77E	31	2.7	0.2	18	14
16887	JUL 04	1226 6.7	40.61S	175.78E	31	2.3	0.2	14	11
16935	JUL 04	1813 52.7	41.71S	174.31E	9	2.6	0.3	17	13
16960	JUL 04	2208 1.9	40.97S	175.36E	21	2.6	0.1	12	9
16971	JUL 05	0007 16.7	40.97S	175.36E	22	2.8	0.2	16	12
17003	JUL 05	0506 23.1	41.55S	174.03E	13	2.9	0.3	18	14
17009	JUL 05	0524 6.0	41.56S	173.99E	22	2.4	0.3	13	10
17015	JUL 05	0626 6.1	41.11S	173.89E	63	2.8	0.2	9	7
17160	JUL 06	0059 55.2	41.69S	174.28E	8	2.3	0.2	12	8
17163	JUL 06	0111 50.9	41.14S	174.70E	33	2.6	0.2	17	13
17167	JUL 06	0141 40.1	40.93S	175.03E	34	2.1	0.1	7	6
17177	JUL 06	0444 45.8	40.59S	174.24E	38	2.2	0.2	9	6
17180	JUL 06	0502 34.2	41.34S	173.55E	77	2.7	0.4	16	11
17227	JUL 07	0257 42.0	40.92S	175.75E	30	2.1	0.2	12	9
17228	JUL 07	0306 36.1	40.61S	174.61E	53	2.7	0.1	14	10
17244	JUL 07	1121 16.9	41.39S	174.46E	19	2.4	0.2	15	12
17258	JUL 07	1958 51.9	40.65S	175.78E	30	3.0	0.3	15	12
17267	JUL 08	0402 25.1	41.40S	174.94E	28	2.2	0.1	9	7
17269	JUL 08	0525 30.3	41.17S	173.65E	64	2.5	0.2	8	6
17271	JUL 08	0701 48.7	40.91S	175.76E	29	2.1	0.2	10	8
17293	JUL 08	1442 18.3	41.12S	174.84E	50	2.6	0.0	10	8
17296	JUL 08	1456 13.4	40.79S	175.33E	30	2.3	0.1	14	10
17299	JUL 08	1617 8.6	41.58S	174.35E	32	2.1	0.1	8	6
17323	JUL 09	0245 51.2	40.79S	173.76E	88	2.6	0.1	8	5
17342	JUL 09	0816 47.7	40.64S	174.28E	79	2.4	0.1	7	5
17352	JUL 09	1142 49.2	41.00S	175.56E	23	2.0	0.1	12	9
17357	JUL 09	1331 8.4	40.72S	174.88E	43	2.0	0.0	9	5
17368	JUL 09	1957 28.4	40.67S	173.61E	154	2.9	0.2	15	10
17380	JUL 10	0136 52.3	41.98S	174.30E	23	2.5	0.3	12	10
17382	JUL 10	0219 28.1	41.68S	174.98E	23	2.5	0.3	8	7
17396	JUL 10	0656 56.4	41.34S	174.19E	68	2.6	0.1	11	9
17400	JUL 10	1102 17.4	40.91S	174.41E	49	3.4	0.2	28	24
17401	JUL 10	1119 8.3	40.88S	174.39E	42	2.9	0.2	16	12
17409	JUL 10	1313 2.4	41.21S	174.57E	34	2.0	0.2	9	8
17441	JUL 11	0326 38.0	40.99S	175.46E	25	2.3	0.1	12	10
17462	JUL 11	1004 31.6	41.72S	173.62E	44	2.9	0.3	19	15
17469	JUL 11	1205 54.9	40.52S	173.89E	79	3.3	0.2	22	18

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
17475	JUL 11	1402 45.1	40.92S	175.68E	24	2.1	0.3	12	9
17476	JUL 11	1409 24.4	40.92S	175.66E	20	2.6	0.2	16	13
17483	JUL 11	1519 54.5	41.24S	175.33E	27	2.4	0.2	15	11
17484	JUL 11	1524 29.2	41.14S	173.68E	98	3.2	0.2	24	17
17545	JUL 12	1442 46.5	40.93S	174.75E	44	2.7	0.1	15	11
17555	JUL 12	1908 14.2	40.60S	175.48E	33	2.8	0.2	16	13
17564	JUL 12	2208 24.2	41.76S	173.95E	13	2.4	0.2	12	10
17570	JUL 13	0042 36.5	40.96S	174.95E	26	2.0	0.2	10	8
17584	JUL 13	0513 19.2	41.04S	174.84E	51	2.0	0.1	7	6
17586	JUL 13	0559 35.5	41.52S	174.60E	16	2.3	0.2	13	11
17588	JUL 13	0728 13.4	41.28S	173.50E	101	2.7	0.2	14	11
17603	JUL 13	1243 37.7	40.59S	174.77E	29	2.0	0.1	10	7
17604	JUL 13	1332 17.3	41.74S	174.29E	20	2.5	0.3	18	13
17605	JUL 13	1338 58.1	41.71S	174.31E	14	2.1	0.3	12	9
17608	JUL 13	1409 12.4	41.68S	174.10E	33	2.4	0.2	11	10
17613	JUL 13	1542 8.2	40.53S	174.72E	30	2.1	0.1	10	7
17614	JUL 13	1623 36.1	41.03S	174.46E	63	2.0	0.1	8	6
17620	JUL 13	1751 48.1	41.83S	175.03E	32	2.7	0.1	20	13
17623	JUL 13	1854 19.4	41.07S	174.78E	51	2.3	0.0	10	9
17627	JUL 13	2106 41.4	41.36S	174.47E	21	2.2	0.2	13	11
17635	JUL 13	2316 5.6	41.26S	173.81E	62	2.8	0.3	13	11
17647	JUL 14	0345 19.9	40.77S	174.62E	40	2.2	0.1	12	8
17655	JUL 14	0536 35.6	40.51S	174.82E	26	2.0	0.2	14	9
17656	JUL 14	0617 15.4	40.98S	175.33E	18	2.1	0.2	15	12
17658	JUL 14	0659 42.2	40.64S	174.89E	37	2.1	0.1	11	8
17670	JUL 14	1325 1.3	41.74S	174.30E	32	2.0	0.2	9	7
17701	JUL 14	2226 50.5	40.53S	175.44E	25	2.0	0.1	5	3
17704	JUL 14	2338 9.7	41.43S	173.55E	88	2.6	0.2	12	9
17719	JUL 15	0521 58.3	40.53S	174.35E	46	2.1	0.2	9	6
17729	JUL 15	0706 14.5	41.29S	174.05E	46	2.4	0.2	10	8
17770	JUL 15	2032 29.7	40.97S	175.48E	38	2.0	0.2	11	9
17780	JUL 15	2355 3.3	41.34S	175.78E	22	2.1	0.2	12	9
17785	JUL 16	0219 32.4	41.74S	174.42E	28	3.0	0.2	22	18
17787	JUL 16	0557 35.3	40.91S	175.71E	27	2.9	0.2	18	14
17823	JUL 16	1650 23.0	41.09S	174.58E	64	3.5	0.2	28	24
17825	JUL 16	1709 17.8	40.76S	175.67E	29	2.5	0.2	5	3
17830	JUL 16	1807 48.3	41.78S	174.43E	42	2.3	0.2	9	7
17843	JUL 16	2318 6.6	40.51S	175.04E	33	2.2	0.2	11	8
17848	JUL 17	0058 5.6	41.73S	174.13E	14	2.4	0.2	17	14
17854	JUL 17	0250 45.3	40.60S	174.13E	12R	2.2	0.3	8	6
17856	JUL 17	0402 16.7	40.75S	173.68E	145	2.3	0.0	10	7
17860	JUL 17	0443 57.7	40.91S	173.97E	66	2.4	0.2	7	6
17868	JUL 17	0644 29.8	41.27S	175.34E	17	2.4	0.1	17	12
17887	JUL 17	1118 50.5	40.88S	175.49E	23	3.1	0.2	21	16
17888	JUL 17	1120 28.1	40.87S	175.48E	25	2.4	0.1	17	13

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
17890	JUL 17	1132 41.2	40.52S	175.51E	37	3.2	0.2	26	19
17891	JUL 17	1135 7.5	40.88S	175.48E	24	2.6	0.1	17	13
17897	JUL 17	1215 35.4	40.88S	175.49E	25	2.7	0.2	19	14
17902	JUL 17	1442 16.4	40.93S	175.71E	22	2.2	0.1	5	4
17905	JUL 17	1503 43.8	40.73S	175.28E	30	2.1	0.1	10	8
17917	JUL 17	1832 13.7	41.69S	173.56E	58	2.4	0.3	13	10
17921	JUL 17	1907 37.2	40.87S	175.50E	27	2.2	0.1	14	10
17947	JUL 18	0656 33.9	41.65S	174.22E	5R	2.3	0.2	18	16
17954	JUL 18	1003 28.1	41.54S	174.29E	22	2.1	0.1	8	6
17971	JUL 18	2017 55.9	41.18S	175.66E	27	2.1	0.1	13	9
17986	JUL 19	0127 42.0	40.66S	174.31E	43	2.0	0.1	9	6
17990	JUL 19	0252 49.5	41.15S	174.18E	45	2.2	0.1	8	6
17991	JUL 19	0333 2.0	41.65S	174.21E	12R	2.4	0.3	17	13
17996	JUL 19	0540 43.3	40.64S	173.59E	150	3.0	0.3	15	9
18009	JUL 19	0929 11.3	41.65S	174.13E	22	2.0	0.2	11	8
18044	JUL 20	0421 15.9	41.00S	174.69E	61	2.2	0.0	10	7
18050	JUL 20	0541 24.5	41.70S	174.30E	5R	2.4	0.3	10	8
18060	JUL 20	0738 44.5	40.82S	175.25E	30	2.2	0.1	13	10
18063	JUL 20	0904 29.7	41.73S	175.03E	32	2.2	0.2	11	8
18064	JUL 20	0947 16.4	40.97S	173.67E	73	2.5	0.2	10	7
18078	JUL 20	1654 58.4	41.77S	174.37E	27	2.2	0.2	8	7
18079	JUL 20	1708 56.6	40.53S	174.35E	76	3.0	0.2	22	17
18086	JUL 20	2158 34.7	41.73S	174.49E	26	2.3	0.1	9	7
18089	JUL 20	2304 9.1	40.55S	175.04E	5R	2.2	0.2	10	6
18096	JUL 21	0121 24.1	40.67S	173.77E	114	2.6	0.3	11	9
18103	JUL 21	0636 26.4	40.74S	174.37E	52	2.8	0.2	14	9
18106	JUL 21	0820 37.0	40.87S	174.72E	43	3.1	0.2	23	20
18108	JUL 21	0920 42.3	40.54S	174.56E	76	2.4	0.1	10	8
18120	JUL 21	1723 56.8	40.62S	175.75E	42	2.7	0.1	6	3
18129	JUL 21	2220 59.7	41.51S	173.93E	39	2.5	0.1	11	8
18136	JUL 22	0438 8.8	40.93S	175.46E	12R	2.3	0.4	7	5
18142	JUL 22	0607 16.8	40.82S	175.46E	35	2.1	0.3	9	7
18153	JUL 22	1057 7.4	40.76S	174.22E	53	2.6	0.1	6	5
18159	JUL 22	1239 45.2	40.54S	174.81E	32	2.0	0.1	8	5
18162	JUL 22	1551 19.1	40.79S	175.92E	25	2.6	0.2	13	9
18164	JUL 22	1652 19.2	40.99S	174.90E	29	2.2	0.1	9	7
18172	JUL 22	1846 52.2	41.08S	174.58E	55	2.3	0.0	11	8
18176	JUL 22	2000 23.9	40.78S	173.51E	120	2.8	0.2	12	8
18178	JUL 22	2008 2.5	41.18S	173.57E	81	2.9	0.2	15	10
18204	JUL 23	0248 51.7	40.72S	175.48E	26	2.6	0.2	14	9
18207	JUL 23	0424 40.5	40.54S	174.36E	48	2.9	0.2	17	13
18224	JUL 23	0929 12.7	40.79S	174.78E	43	2.6	0.1	13	8
18225	JUL 23	0937 49.5	40.98S	174.87E	53	2.9	0.1	14	9
18235	JUL 23	1622 0.7	40.60S	173.65E	124	3.4	0.2	26	17
18242	JUL 23	2123 54.4	40.84S	175.92E	34	2.3	0.2	6	3

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
18255	JUL 24	0311 21.1	40.88S	175.88E	26	2.2	0.2	10	7
18259	JUL 24	0500 13.3	41.14S	174.28E	41	2.2	0.2	6	5
18268	JUL 24	1025 25.6	41.55S	175.42E	18	2.6	0.1	12	8
18272	JUL 24	1306 11.4	41.19S	173.65E	82	2.9	0.2	15	10
18279	JUL 24	1516 1.7	40.59S	174.29E	44	2.1	0.1	7	5
18281	JUL 24	1552 47.9	41.69S	174.25E	5R	2.6	0.2	16	12
18287	JUL 24	1736 2.2	40.56S	174.37E	12R	2.8	0.2	15	11
18290	JUL 24	2112 46.7	41.21S	174.64E	31	2.3	0.2	7	6
18294	JUL 25	0007 1.5	41.67S	174.24E	5R	3.0	0.2	19	15
18296	JUL 25	0112 33.1	41.01S	174.34E	43	2.5	0.2	9	7
18303	JUL 25	0311 11.3	41.68S	174.26E	5R	2.7	0.3	18	15
18305	JUL 25	0322 55.0	41.11S	174.70E	35	2.1	0.0	6	5
18307	JUL 25	0350 1.5	41.69S	173.90E	15	2.1	0.5	10	8
18323	JUL 25	1145 30.6	40.50S	174.36E	53	2.7	0.4	8	7
18338	JUL 25	2128 16.2	40.62S	174.48E	42	2.0	0.1	7	5
18344	JUL 26	0130 1.1	40.95S	175.04E	31	2.2	0.2	11	7
18346	JUL 26	0400 41.4	40.53S	174.51E	30	2.5	0.2	12	8
18348	JUL 26	0434 32.2	40.92S	174.74E	56	3.0	0.1	11	8
18350	JUL 26	0451 17.7	41.42S	173.89E	44	2.8	0.2	11	8
18355	JUL 26	0829 42.0	40.91S	175.82E	31	2.0	0.2	7	6
18360	JUL 26	1058 32.6	40.63S	175.21E	33R	2.2	0.1	11	8
18365	JUL 26	1217 4.7	41.68S	174.26E	7	3.2	0.2	17	15
18387	JUL 26	2250 37.5	40.83S	174.44E	121	2.0	0.1	5	4
18392	JUL 27	0037 26.6	40.99S	175.59E	24	2.5	0.1	9	6
18396	JUL 27	0221 11.3	41.67S	173.91E	16	2.0	0.1	8	5
18398	JUL 27	0311 45.2	40.53S	175.73E	34	2.7	0.2	11	8
18415	JUL 27	0801 4.8	41.68S	174.25E	11	4.3F	0.2	24	18
18416	JUL 27	0802 52.7	41.70S	174.27E	5R	2.8	0.2	16	12
18417	JUL 27	0804 2.6	41.72S	174.34E	5R	2.3	0.3	12	8
18418	JUL 27	0805 10.5	41.69S	174.26E	5R	3.6	0.3	24	18
18420	JUL 27	0809 24.8	41.66S	174.26E	12R	2.0	0.1	8	7
18421	JUL 27	0814 26.1	41.71S	174.27E	5R	2.9	0.3	21	16
18423	JUL 27	0829 52.8	41.71S	174.24E	10	2.2	0.2	12	9
18424	JUL 27	0858 39.0	41.70S	174.26E	9	2.7	0.2	17	16
18425	JUL 27	0936 35.0	41.69S	174.27E	7	2.9	0.3	18	15
18429	JUL 27	1027 36.8	41.69S	174.28E	5R	2.5	0.3	13	12
18430	JUL 27	1049 35.5	41.69S	174.27E	5R	2.7	0.3	17	14
18435	JUL 27	1250 7.2	41.67S	174.24E	19	2.2	0.1	9	7
18437	JUL 27	1336 17.8	41.69S	174.27E	6	2.3	0.2	10	9
18438	JUL 27	1342 1.2	41.70S	174.28E	4	2.3	0.1	8	7
18441	JUL 27	1511 48.5	41.69S	174.27E	5R	2.5	0.3	14	11
18445	JUL 27	1607 33.3	41.70S	174.28E	5R	2.4	0.2	15	11
18447	JUL 27	1700 3.1	41.69S	174.27E	5R	2.4	0.2	12	11
18466	JUL 27	2243 19.9	41.69S	174.27E	5	2.4	0.2	15	12
18471	JUL 28	0101 31.8	41.59S	174.33E	27	2.4	0.1	14	11

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
18473	JUL 28	0106 17.3	41.60S	174.35E	21	2.4	0.1	10	7
18475	JUL 28	0128 0.4	41.68S	174.27E	5R	3.4	0.2	22	15
18476	JUL 28	0129 8.7	41.72S	174.30E	5R	2.0	0.3	10	8
18478	JUL 28	0152 14.1	40.52S	174.42E	18	3.3	0.3	23	19
18484	JUL 28	0306 39.5	41.59S	174.75E	25	2.4	0.0	7	6
18487	JUL 28	0349 53.2	41.66S	174.22E	17	2.4	0.2	12	10
18488	JUL 28	0359 36.6	41.70S	174.27E	9	3.2	0.2	18	15
18489	JUL 28	0403 7.2	41.68S	174.26E	5R	2.5	0.3	12	10
18490	JUL 28	0416 53.3	40.65S	174.08E	87	2.9	0.2	11	9
18499	JUL 28	0641 55.9	41.68S	174.25E	7	3.4	0.2	20	17
18508	JUL 28	0921 31.7	41.78S	174.47E	28	2.1	0.2	10	7
18510	JUL 28	0943 45.6	41.69S	174.26E	5R	3.1	0.3	19	13
18511	JUL 28	1014 33.1	41.70S	174.29E	5R	2.1	0.2	12	9
18514	JUL 28	1317 24.7	41.70S	174.27E	5R	2.8	0.3	23	15
18517	JUL 28	1420 16.6	41.32S	175.16E	21	2.1	0.1	10	8
18528	JUL 28	1754 33.8	41.60S	173.80E	41	2.8	0.3	17	14
18533	JUL 28	1900 28.7	41.68S	174.27E	5R	2.6	0.2	13	10
18535	JUL 28	1927 5.5	41.07S	173.98E	53	2.4	0.2	10	7
18538	JUL 28	2209 30.8	41.64S	173.92E	11	2.4	0.2	13	11
18578	JUL 29	0939 20.8	41.11S	175.88E	32	2.1	0.2	13	9
18580	JUL 29	1033 2.2	41.68S	174.26E	6	2.3	0.3	18	13
18581	JUL 29	1035 9.5	41.68S	174.25E	5R	2.8	0.3	22	16
18588	JUL 29	1124 53.1	41.76S	174.54E	29	2.3	0.2	15	12
18609	JUL 29	2006 57.9	40.67S	174.52E	52	2.4	0.1	9	7
18629	JUL 30	0308 7.1	41.66S	174.95E	30	2.1	0.1	9	7
18650	JUL 30	1222 40.6	40.58S	175.98E	24	3.5	0.3	18	16
18652	JUL 30	1223 17.1	40.55S	175.97E	25	3.2	0.3	12	10
18668	JUL 30	1912 59.7	41.70S	174.27E	7	2.3	0.2	11	9
18669	JUL 30	1913 28.9	41.69S	174.25E	7	3.3	0.3	19	17
18670	JUL 30	1913 59.1	41.70S	174.26E	5R	3.1	0.2	17	15
18672	JUL 30	1916 42.7	41.78S	174.52E	31	2.0	0.0	6	4
18679	JUL 30	2111 29.3	40.81S	175.91E	12R	2.2	0.2	9	7
18682	JUL 30	2138 36.5	40.68S	175.89E	25	2.1	0.1	8	7
18693	JUL 31	0213 2.2	41.17S	174.79E	29	2.0	0.1	8	6
18694	JUL 31	0240 37.2	41.96S	174.07E	12R	2.3	0.3	4	3
18695	JUL 31	0245 55.0	41.98S	173.99E	12R	2.3	0.4	4	3
18698	JUL 31	0329 41.2	40.84S	175.85E	30	2.2	0.2	8	5
18707	JUL 31	0704 27.0	41.68S	174.29E	5R	2.1	0.3	10	8
18718	JUL 31	1101 4.5	41.43S	174.53E	22	2.1	0.2	11	8
18721	JUL 31	1131 40.8	41.44S	174.53E	21	2.0	0.2	11	8
18726	JUL 31	1416 10.4	40.64S	175.96E	33R	2.6	0.2	5	3
18744	JUL 31	2135 36.9	40.88S	175.83E	30	2.0	0.1	11	8
18760	AUG 01	0221 22.1	41.30S	175.28E	29	2.3	0.1	12	9
18765	AUG 01	0429 36.0	40.88S	175.82E	29	2.1	0.1	12	9
18766	AUG 01	0441 17.3	40.69S	173.91E	103	2.4	0.1	8	5

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18768	AUG 01	0451 39.1	40.50S	174.46E	38	2.8	0.3	21	14
18770	AUG 01	0533 19.0	41.42S	173.63E	51	2.3	0.2	9	7
18781	AUG 01	0920 3.8	41.14S	174.35E	71	2.4	0.2	16	11
18783	AUG 01	0935 19.8	40.57S	174.93E	12R	2.1	0.0	7	6
18784	AUG 01	0944 11.5	40.50S	174.40E	76	2.5	0.1	12	9
18832	AUG 02	0944 4.5	40.53S	175.90E	31	2.5	0.2	8	4
18843	AUG 02	1806 47.0	41.23S	175.18E	23	2.0	0.1	10	7
18852	AUG 02	2203 16.6	40.67S	175.85E	38	3.7	0.1	8	4
18864	AUG 03	0645 25.3	40.98S	175.02E	25	2.5	0.1	12	8
18874	AUG 03	1113 36.4	41.35S	174.25E	12R	2.7	0.2	9	6
18878	AUG 03	1304 41.1	41.78S	173.75E	33R	2.5	0.2	10	6
18892	AUG 03	2034 24.3	40.51S	173.71E	172	3.0	0.2	12	8
18902	AUG 04	0224 18.5	40.69S	175.85E	26	2.4	0.3	14	10
18907	AUG 04	0313 32.9	40.57S	174.43E	32	2.3	0.2	10	8
18911	AUG 04	0448 12.6	41.64S	174.05E	12R	2.2	0.3	11	9
18915	AUG 04	0554 19.6	41.23S	173.64E	75	2.4	0.2	8	6
18922	AUG 04	1045 16.7	41.72S	174.60E	32	2.1	0.2	10	9
18926	AUG 04	1308 49.2	40.77S	174.69E	44	2.7	0.2	15	12
18927	AUG 04	1319 5.8	41.68S	174.27E	7	2.5	0.2	15	14
18952	AUG 04	2146 40.2	40.97S	174.49E	63	2.7	0.1	13	9
18956	AUG 04	2355 44.3	41.03S	174.88E	53	2.1	0.1	8	6
18964	AUG 05	0221 17.2	40.99S	174.64E	43	3.3	0.3	27	21
18970	AUG 05	0412 16.6	41.33S	174.52E	32	2.0	0.2	11	9
18973	AUG 05	0518 53.5	41.62S	174.00E	14	2.3	0.3	11	9
18977	AUG 05	0601 36.3	41.04S	174.58E	50	2.3	0.0	9	7
18993	AUG 05	1310 41.1	41.39S	175.10E	23	2.0	0.0	10	8
19015	AUG 05	2011 55.4	41.05S	174.82E	51	2.5	0.1	10	9
19024	AUG 05	2247 47.7	40.61S	174.41E	53	2.2	0.2	9	7
19025	AUG 05	2252 36.8	40.95S	175.98E	30	2.7	0.2	20	13
19033	AUG 06	0028 47.5	41.67S	174.27E	6	2.3	0.2	15	11
19053	AUG 06	0708 38.2	40.64S	175.91E	32	2.2	0.3	16	11
19109	AUG 06	2304 38.0	40.79S	174.50E	69	2.8	0.2	19	14
19123	AUG 07	0501 19.7	41.55S	174.48E	19	2.5	0.2	21	14
19130	AUG 07	0707 6.3	41.67S	173.97E	5R	2.3	0.2	10	7
19144	AUG 07	1236 59.2	41.16S	174.62E	19	2.1	0.2	7	6
19152	AUG 07	1739 30.8	41.74S	173.63E	44	2.7	0.3	15	12
19167	AUG 08	0302 51.7	40.70S	174.51E	44	2.8	0.1	14	10
19170	AUG 08	0436 27.3	40.88S	174.72E	44	2.2	0.1	8	6
19171	AUG 08	0518 4.6	41.28S	175.04E	26	2.4	0.0	13	10
19183	AUG 08	1326 2.4	41.82S	174.54E	29	3.0	0.2	18	13
19189	AUG 08	1619 16.6	41.11S	174.65E	58	2.4	0.1	9	7
19194	AUG 08	2042 49.9	41.53S	173.59E	63	3.6	0.3	22	17
19197	AUG 08	2221 41.7	41.02S	174.84E	32	2.4	0.1	14	8
19200	AUG 09	0054 42.5	41.63S	174.44E	10	2.3	0.1	8	6
19210	AUG 09	0403 49.0	40.81S	175.41E	30	2.1	0.1	6	5

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19214	AUG 09	0521 28.5	41.04S	174.62E	31	2.1	0.1	12	9
19238	AUG 09	1716 53.2	40.87S	175.35E	26	3.1	0.3	17	13
19241	AUG 09	2012 1.2	41.10S	174.69E	28	2.4	0.1	12	9
19263	AUG 10	1226 39.6	40.61S	175.64E	29	2.8	0.2	17	14
19287	AUG 10	2337 0.5	41.07S	174.70E	52	2.2	0.1	9	8
19321	AUG 11	0856 7.1	41.62S	174.43E	13	2.4	0.2	14	12
19324	AUG 11	0950 25.2	41.66S	174.28E	12	2.9	0.2	21	17
19325	AUG 11	1126 23.2	40.50S	174.09E	84	2.5	0.2	11	8
19342	AUG 11	1541 28.4	41.80S	174.54E	30	3.3	0.2	24	20
19375	AUG 12	0401 36.2	41.37S	173.57E	89	2.7	0.2	12	9
19384	AUG 12	0735 40.6	40.98S	174.28E	67	2.1	0.1	9	7
19390	AUG 12	1127 46.9	40.57S	174.41E	77	2.8	0.2	16	12
19404	AUG 12	1544 25.7	40.98S	175.62E	29	2.2	0.1	12	9
19417	AUG 12	1759 22.7	41.79S	174.03E	38	2.7	0.1	16	11
19436	AUG 12	2247 29.2	41.40S	174.98E	27	2.3	0.1	10	8
19438	AUG 13	0000 18.2	41.66S	174.27E	14	2.9	0.2	21	16
19440	AUG 13	0059 34.4	41.15S	174.80E	48	2.4	0.1	10	8
19451	AUG 13	0615 16.7	41.08S	174.59E	31	2.5	0.2	16	11
19453	AUG 13	0840 55.8	41.18S	175.74E	18	2.5	0.2	11	8
19469	AUG 13	1559 51.1	41.15S	174.75E	26	2.1	0.1	9	7
19478	AUG 13	2353 13.0	41.67S	174.24E	5R	3.8	0.2	23	18
19496	AUG 14	1120 30.4	40.94S	174.95E	32	2.1	0.1	12	9
19497	AUG 14	1141 57.3	40.83S	175.11E	19	2.1	0.1	5	3
19499	AUG 14	1247 43.5	41.52S	174.37E	15	2.2	0.1	10	7
19508	AUG 14	1942 57.2	41.64S	173.92E	10	2.4	0.2	14	10
19509	AUG 14	1955 58.9	40.73S	174.98E	12	2.2	0.1	6	4
19515	AUG 15	0145 17.3	41.69S	174.25E	5R	2.2	0.2	7	6
19547	AUG 15	1307 1.1	40.52S	175.09E	5R	2.3	0.2	12	9
19571	AUG 15	2005 46.9	41.82S	174.48E	25	2.4	0.2	13	10
19617	AUG 16	1205 43.2	41.29S	175.18E	27	2.5	0.1	15	10
19626	AUG 16	1405 54.7	40.57S	175.92E	54	2.4	0.1	8	4
19631	AUG 16	1751 3.1	40.60S	173.59E	153	2.7	0.0	10	9
19635	AUG 16	1846 10.7	41.02S	175.91E	31	2.7	0.2	14	10
19653	AUG 17	0124 35.3	41.00S	175.89E	33	2.1	0.2	8	7
19662	AUG 17	0613 18.8	40.75S	173.64E	128	3.0	0.1	12	10
19674	AUG 17	1014 15.4	41.35S	175.78E	19	2.3	0.2	13	10
19680	AUG 17	1241 52.8	41.03S	174.10E	53	2.2	0.1	6	4
19707	AUG 18	0125 4.6	40.90S	175.49E	25	2.4	0.1	15	12
19709	AUG 18	0206 50.3	40.90S	175.50E	26	2.2	0.1	13	10
19729	AUG 18	1158 7.2	41.01S	174.50E	9	2.0	0.2	9	7
19750	AUG 18	2133 29.0	40.59S	175.89E	30	2.3	0.0	5	3
19761	AUG 19	0124 11.2	40.63S	175.72E	30	2.1	0.2	13	9
19763	AUG 19	0321 50.8	41.68S	174.43E	47	2.2	0.2	13	11
19765	AUG 19	0358 29.0	40.98S	174.61E	60	2.1	0.1	11	9
19769	AUG 19	0555 36.3	40.78S	174.45E	31	2.0	0.2	10	7

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19777	AUG 19	1009 39.5	41.77S	174.35E	30	2.1	0.2	13	9
19780	AUG 19	1041 13.9	40.52S	174.24E	74	2.8	0.1	18	12
19782	AUG 19	1122 16.4	41.15S	174.45E	41	2.5	0.2	17	12
19785	AUG 19	1210 37.4	41.64S	174.12E	20	2.1	0.2	10	7
19808	AUG 20	0010 55.3	41.57S	173.78E	48	2.4	0.2	10	8
19812	AUG 20	0231 32.0	40.71S	173.83E	88	2.9	0.2	15	11
19821	AUG 20	0541 50.9	40.98S	173.79E	71	2.6	0.1	8	5
19830	AUG 20	1040 41.7	40.94S	175.99E	32	2.5	0.3	14	11
19831	AUG 20	1057 26.1	40.99S	174.75E	33	2.3	0.1	12	9
19835	AUG 20	1215 7.6	41.67S	174.01E	33	2.4	0.3	17	13
19838	AUG 20	1308 20.8	41.03S	174.40E	66	2.4	0.1	9	7
19853	AUG 20	2039 54.3	40.78S	174.80E	36	2.3	0.1	11	8
19854	AUG 20	2143 39.0	40.93S	174.52E	59	2.5	0.1	9	6
19855	AUG 20	2157 45.5	40.51S	175.22E	34	3.1	0.3	20	16
19857	AUG 21	0111 22.2	41.36S	173.57E	87	2.8	0.2	8	7
19867	AUG 21	0413 24.5	41.11S	174.63E	33	2.8	0.2	17	13
19881	AUG 21	0953 37.3	40.79S	175.23E	60	2.0	0.1	6	5
19885	AUG 21	1120 31.7	40.53S	175.77E	33	2.3	0.1	12	9
19899	AUG 21	1727 21.6	40.62S	175.36E	31	2.1	0.1	10	8
19909	AUG 21	2020 14.9	41.24S	173.90E	58	2.4	0.2	8	6
19914	AUG 21	2320 35.0	40.60S	175.98E	23	3.4	0.4	23	18
19916	AUG 21	2348 46.0	40.89S	175.73E	28	2.1	0.1	10	7
19920	AUG 22	0039 37.3	40.61S	175.56E	33	2.8	0.1	14	11
19926	AUG 22	0311 6.6	41.11S	174.38E	68	2.8	0.2	19	13
19935	AUG 22	0553 35.3	41.23S	175.38E	21	2.1	0.1	9	7
19938	AUG 22	0620 26.2	40.60S	174.97E	5R	2.1	0.2	10	8
19944	AUG 22	0733 13.5	40.96S	175.37E	24	2.3	0.0	4	3
19954	AUG 22	0939 33.7	40.64S	174.04E	61	2.0	0.2	8	5
19963	AUG 22	1115 52.6	40.70S	174.08E	87	3.1	0.2	19	12
19964	AUG 22	1117 32.8	41.03S	174.45E	66	2.2	0.1	7	6
19981	AUG 22	1629 52.0	41.28S	174.27E	38	2.5	0.2	15	12
19988	AUG 22	1822 43.5	41.06S	174.54E	39	3.7F	0.2	29	26
20022	AUG 23	0938 29.1	41.65S	173.64E	54	3.0	0.3	19	17
20040	AUG 23	1704 45.3	41.69S	174.20E	5R	2.2	0.3	16	12
20045	AUG 23	1751 40.5	41.22S	173.56E	85	2.9	0.2	13	10
20048	AUG 23	1824 46.8	40.64S	175.44E	27	2.1	0.2	11	9
20070	AUG 24	0458 2.2	40.68S	174.55E	42	2.3	0.2	12	8
20076	AUG 24	0729 6.4	40.56S	175.61E	28	2.1	0.2	12	9
20084	AUG 24	1022 3.3	40.65S	174.59E	68	2.3	0.2	10	7
20097	AUG 24	1650 42.7	41.74S	174.59E	29	2.6	0.2	21	15
20098	AUG 24	1650 50.2	40.79S	174.86E	24	2.3	0.2	11	7
20101	AUG 24	1755 43.0	41.09S	174.75E	61	2.4	0.1	11	10
20112	AUG 25	0015 14.7	41.30S	174.63E	31	3.0	0.2	19	15
20127	AUG 25	1025 33.5	40.58S	174.36E	62	3.2	0.2	29	22
20135	AUG 25	1612 49.9	40.99S	174.69E	54	2.6	0.1	8	7

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20183	AUG 26	1607 37.4	41.69S	174.26E	5R	2.3	0.3	14	12
20190	AUG 26	1803 42.4	41.67S	174.18E	5R	3.0	0.2	23	19
20192	AUG 26	1855 13.2	41.68S	174.18E	5R	2.6	0.2	17	14
20197	AUG 26	1954 30.0	41.11S	174.63E	33	2.6	0.2	16	12
20203	AUG 27	0337 8.2	41.68S	174.18E	5R	2.4	0.3	17	12
20230	AUG 27	1438 39.7	40.84S	175.16E	31	2.1	0.2	14	9
20233	AUG 27	1535 19.5	40.54S	175.37E	35	2.7	0.2	21	17
20236	AUG 27	1654 53.6	41.59S	173.74E	43	2.3	0.2	7	6
20238	AUG 27	1745 0.8	40.67S	174.71E	37	2.1	0.1	9	6
20252	AUG 27	2348 43.1	41.16S	175.51E	19	2.8	0.1	17	12
20269	AUG 28	0611 14.0	40.50S	174.36E	38	2.7	0.2	20	16
20280	AUG 28	1243 45.0	40.53S	174.18E	55	2.4	0.2	10	7
20296	AUG 28	1908 18.0	41.57S	174.35E	11	2.5	0.2	21	14
20334	AUG 29	2316 46.8	41.09S	174.62E	34	3.3	0.2	19	16
20337	AUG 30	0101 42.9	41.38S	175.11E	26	2.2	0.1	11	8
20343	AUG 30	0344 30.5	41.14S	175.35E	27	2.0	0.1	6	4
20348	AUG 30	0519 33.8	40.50S	174.17E	76	2.7	0.1	7	4
20351	AUG 30	0710 17.2	41.72S	174.28E	5R	2.1	0.2	12	9
20364	AUG 30	1256 0.1	41.46S	174.32E	27	2.5	0.2	18	14
20370	AUG 30	1439 38.0	40.73S	173.74E	142	3.4	0.2	20	15
20372	AUG 30	1559 24.6	41.23S	174.38E	61	2.5	0.0	10	8
20382	AUG 30	1755 9.5	40.67S	174.36E	58	2.6	0.2	13	9
20390	AUG 30	2029 43.7	41.25S	175.34E	27	2.0	0.1	10	8
20416	AUG 31	0552 23.6	41.47S	174.95E	11	2.1	0.3	9	8
20419	AUG 31	0750 27.3	41.51S	174.05E	33	2.3	0.2	10	8
20420	AUG 31	0804 17.1	40.51S	174.27E	78	2.1	0.1	9	5
20429	AUG 31	1139 1.0	41.17S	174.94E	30	2.8	0.2	15	10
20431	AUG 31	1210 41.9	41.70S	174.19E	12R	2.7	0.2	21	15
20433	AUG 31	1315 32.0	41.00S	174.82E	31	2.1	0.2	13	9
20449	AUG 31	2034 26.4	41.29S	175.18E	22	2.2	0.1	8	7
20457	SEP 01	0407 40.2	41.00S	174.16E	80	3.0	0.1	11	9
20460	SEP 01	0527 19.0	40.72S	175.26E	32	2.7	0.2	10	8
20482	SEP 01	1641 42.6	40.88S	174.57E	33R	2.0	0.1	7	5
20490	SEP 01	1818 32.4	41.82S	174.54E	28	2.8	0.2	19	11
20497	SEP 02	0029 8.6	41.23S	175.48E	20	2.2	0.1	10	6
20518	SEP 02	0823 49.4	41.18S	173.68E	80	3.1	0.3	17	11
20526	SEP 02	1019 32.6	41.64S	174.19E	5R	2.5	0.3	13	10
20527	SEP 02	1021 27.6	41.66S	173.95E	10	2.4	0.2	10	8
20528	SEP 02	1028 30.2	41.67S	174.18E	11	2.2	0.2	10	7
20532	SEP 02	1206 30.6	41.65S	174.21E	5R	2.4	0.3	14	10
20547	SEP 02	1919 17.8	40.87S	175.61E	24	2.3	0.2	8	5
20548	SEP 02	1940 53.2	41.66S	174.50E	28	2.3	0.1	7	6
20553	SEP 02	2116 9.5	41.69S	174.60E	27	2.3	0.2	7	5
20561	SEP 03	0017 22.5	40.87S	175.91E	23	2.6	0.2	11	8
20565	SEP 03	0139 5.7	41.19S	175.25E	24	2.1	0.1	7	5

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20581	SEP 03	0856 0.5	40.67S	175.64E	28	2.2	0.2	8	5
20586	SEP 03	1014 2.5	41.68S	174.25E	5R	2.2	0.2	9	8
20619	SEP 04	0736 27.8	40.95S	175.55E	21	2.0	0.2	8	5
20624	SEP 04	1113 44.0	41.80S	174.44E	19	2.5	0.1	13	9
20625	SEP 04	1136 15.4	40.76S	174.68E	51	3.2	0.2	17	12
20626	SEP 04	1156 37.7	40.88S	174.25E	53	2.3	0.1	10	7
20648	SEP 04	1926 44.8	40.54S	174.06E	68	2.4	0.1	8	5
20659	SEP 05	0337 56.6	41.04S	174.78E	54	2.0	0.1	8	5
20679	SEP 05	1132 48.0	41.26S	175.29E	28	2.4	0.2	10	7
20704	SEP 06	0159 58.4	41.02S	174.81E	52	2.2	0.1	7	5
20712	SEP 06	0805 39.6	40.52S	174.77E	29	2.3	0.2	13	9
20730	SEP 06	2042 45.8	41.36S	175.20E	27	2.6	0.1	10	7
20737	SEP 07	0047 29.3	40.94S	174.53E	44	3.4	0.2	24	20
20740	SEP 07	0236 52.0	41.08S	174.58E	37	2.5	0.2	14	11
20746	SEP 07	0909 18.1	40.50S	175.74E	33	2.2	0.1	7	4
20747	SEP 07	0956 36.3	40.76S	175.88E	29	2.4	0.1	8	4
20763	SEP 07	1909 52.0	40.74S	175.89E	28	2.3	0.0	6	3
20767	SEP 07	2042 38.1	41.55S	174.73E	29	2.5	0.1	12	9
20784	SEP 08	0606 36.9	40.65S	174.49E	5R	2.9	0.5	15	12
20786	SEP 08	0646 36.6	40.65S	175.05E	32	2.3	0.2	9	7
20808	SEP 08	1912 58.5	40.56S	174.50E	30	2.0	0.2	10	7
20819	SEP 08	2337 49.6	41.31S	173.88E	58	2.4	0.2	15	11
20830	SEP 09	0357 27.0	40.82S	174.98E	54	3.3	0.2	33	26
20858	SEP 09	1337 5.7	40.52S	175.71E	29	2.2	0.2	14	10
20883	SEP 09	2030 19.5	41.63S	174.77E	26	2.1	0.0	6	5
20885	SEP 09	2112 53.1	40.92S	174.17E	85	2.6	0.2	11	8
20890	SEP 10	0006 23.6	41.71S	174.53E	29	2.4	0.2	17	13
20896	SEP 10	0248 38.2	41.69S	174.19E	5R	2.5F	0.3	19	15
20911	SEP 10	0609 8.7	41.49S	175.49E	23	2.0	0.2	12	8
20934	SEP 10	1431 8.0	41.68S	174.27E	5R	2.3	0.3	14	13
20935	SEP 10	1435 4.9	40.89S	175.56E	30	2.0	0.2	12	9
20938	SEP 10	1507 47.6	41.68S	174.19E	5R	2.9F	0.2	23	20
20945	SEP 10	1636 5.6	41.69S	174.19E	5R	3.2F	0.3	23	19
20946	SEP 10	1637 17.8	41.68S	174.18E	5R	2.3	0.2	19	15
20948	SEP 10	1701 29.7	41.67S	174.16E	5R	2.4	0.2	16	15
20952	SEP 10	1755 37.3	41.67S	174.17E	5R	2.3	0.2	18	15
20953	SEP 10	1832 26.2	41.69S	174.19E	5R	2.1	0.2	12	10
20957	SEP 10	1912 6.4	41.69S	174.19E	5R	2.3	0.2	12	10
20958	SEP 10	1913 57.2	41.68S	174.19E	5R	2.5	0.3	15	13
20965	SEP 10	2226 47.3	41.10S	174.77E	56	2.0	0.1	11	7
20972	SEP 11	0102 9.6	41.04S	174.64E	62	3.8	0.2	38	28
20975	SEP 11	0407 29.8	40.54S	175.46E	11	2.0	0.3	13	11
20977	SEP 11	0433 25.6	41.67S	174.18E	5R	3.4F	0.4	28	21
20978	SEP 11	0433 42.3	41.71S	174.16E	5R	3.4F	0.3	18	15
20980	SEP 11	0617 30.5	41.68S	174.18E	5R	2.6	0.3	20	16

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
20988	SEP 11	0857 57.9	41.68S	174.18E	5R	2.2F	0.3	15	12
20998	SEP 11	1249 38.2	41.42S	174.39E	13	2.4	0.3	15	12
21002	SEP 11	1410 40.9	41.69S	174.18E	5R	2.2	0.2	10	8
21003	SEP 11	1414 1.0	41.69S	174.18E	5R	2.8	0.2	17	14
21004	SEP 11	1417 29.1	41.17S	174.64E	30	2.3	0.1	11	8
21007	SEP 11	1454 22.5	41.69S	174.19E	5R	2.6	0.2	14	11
21011	SEP 11	1814 32.2	41.00S	174.18E	59	2.7	0.3	11	8
21033	SEP 12	0531 57.9	41.14S	174.13E	51	2.4	0.2	10	7
21057	SEP 12	1629 7.9	41.27S	175.31E	28	2.1	0.1	11	9
21075	SEP 12	2226 20.6	40.72S	174.35E	54	2.4	0.2	13	9
21080	SEP 13	0029 24.9	40.77S	174.51E	67	2.9	0.2	25	20
21096	SEP 13	0748 9.6	40.84S	174.63E	50	2.8	0.1	19	15
21101	SEP 13	0901 54.1	41.12S	174.10E	59	3.2	0.2	33	26
21116	SEP 13	1427 54.5	40.56S	174.87E	13	2.0	0.2	12	8
21130	SEP 13	2244 57.3	41.11S	173.54E	83	2.7	0.1	11	8
21142	SEP 14	0226 48.1	41.78S	174.48E	10	2.4	0.3	17	13
21145	SEP 14	0323 13.5	40.96S	174.37E	73	2.4	0.1	10	8
21146	SEP 14	0339 34.9	40.53S	175.91E	29	4.0F	0.2	26	22
21154	SEP 14	0758 16.0	40.66S	174.44E	50	2.0	0.3	8	6
21162	SEP 14	1134 51.5	40.91S	175.73E	25	2.0	0.2	17	13
21171	SEP 14	1556 32.8	40.81S	175.02E	33R	2.1	0.1	9	7
21180	SEP 14	1935 10.1	41.75S	174.47E	12R	2.7	0.3	18	15
21195	SEP 15	0206 22.4	41.13S	175.10E	27	2.4	0.1	13	11
21202	SEP 15	0458 58.4	40.90S	175.29E	25	3.0	0.2	24	16
21212	SEP 15	0852 3.5	41.01S	174.67E	59	2.7	0.1	21	14
21216	SEP 15	1059 53.6	40.55S	174.96E	24	2.9	0.3	32	24
21272	SEP 16	0711 42.7	40.64S	174.09E	79	2.4	0.2	9	6
21278	SEP 16	0937 52.9	41.77S	174.46E	10	2.1	0.3	16	13
21285	SEP 16	1304 57.0	41.71S	174.49E	24	2.0	0.1	10	8
21291	SEP 16	1518 11.4	40.98S	174.37E	40	2.2	0.1	8	6
21297	SEP 16	1643 47.1	40.95S	175.40E	12R	2.5	0.2	17	13
21302	SEP 16	1905 35.3	41.58S	174.40E	47	2.2	0.3	10	9
21306	SEP 16	1938 9.3	41.32S	174.26E	39	2.7	0.2	19	14
21308	SEP 16	2106 1.0	41.81S	174.12E	12R	3.5	0.3	29	22
21309	SEP 16	2109 20.4	41.43S	173.88E	44	2.6	0.1	12	9
21324	SEP 17	0406 41.4	40.77S	175.87E	26	2.1	0.1	7	4
21329	SEP 17	0529 48.8	41.11S	174.07E	87	2.3	0.1	6	4
21334	SEP 17	0644 40.1	41.61S	173.66E	51	3.0	0.3	23	17
21337	SEP 17	0758 19.7	40.65S	175.84E	37	2.0	0.1	6	3
21338	SEP 17	0807 38.8	41.07S	175.44E	30	2.0	0.1	9	6
21340	SEP 17	0833 35.0	40.82S	175.31E	24	2.0	0.1	11	9
21341	SEP 17	0856 30.2	41.48S	174.74E	24	2.8	0.2	21	16
21373	SEP 17	1620 12.1	41.78S	173.81E	72	2.3	0.1	9	6
21383	SEP 17	1934 46.2	41.33S	174.78E	27	2.1	0.1	8	6
21388	SEP 17	2258 31.5	41.82S	174.11E	5R	3.4	0.3	20	17

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
21389	SEP 17	2301 13.1	41.81S	174.11E	5R	2.7	0.2	14	12
21390	SEP 17	2313 14.3	41.66S	174.16E	5R	2.4	0.1	13	11
21391	SEP 17	2325 18.6	41.79S	174.09E	5R	4.0F	0.3	22	18
21393	SEP 17	2343 12.0	41.80S	174.11E	12R	3.4	0.3	21	17
21395	SEP 18	0004 56.3	41.68S	174.18E	5R	2.5	0.2	14	12
21398	SEP 18	0126 7.3	41.81S	174.11E	5R	3.7F	0.3	21	17
21410	SEP 18	0554 19.2	41.19S	173.89E	33R	2.3	0.0	4	3
21411	SEP 18	0601 7.9	40.59S	174.57E	33R	2.0	0.1	7	4
21419	SEP 18	0946 15.2	41.06S	175.52E	6	2.1	0.2	17	11
21426	SEP 18	1327 43.4	40.53S	175.95E	27	2.0	0.1	7	4
21431	SEP 18	1719 33.8	41.18S	175.05E	17	2.1	0.1	7	6
21435	SEP 18	1916 2.7	41.37S	174.27E	12R	2.4	0.3	6	5
21462	SEP 19	1415 37.8	41.81S	174.11E	5R	2.4	0.2	9	9
21463	SEP 19	1500 44.9	41.17S	174.66E	32	2.5	0.2	12	9
21469	SEP 19	1625 53.4	41.36S	174.59E	17	2.4	0.2	15	11
21480	SEP 19	1844 50.8	41.01S	174.75E	32	2.4	0.1	12	9
21483	SEP 19	2116 21.5	41.73S	174.13E	12R	2.9	0.3	20	16
21493	SEP 20	0741 40.3	41.31S	174.74E	26	2.6	0.2	11	7
21501	SEP 20	1354 54.8	40.88S	174.53E	54	2.7	0.2	13	9
21516	SEP 20	2037 30.1	40.69S	175.83E	20	2.4	0.1	7	4
21522	SEP 21	0137 12.2	41.82S	174.13E	5R	2.2	0.2	14	12
21524	SEP 21	0204 12.9	40.90S	175.75E	26	2.3	0.1	10	8
21532	SEP 21	0831 17.9	41.04S	173.61E	79	2.7	0.2	11	8
21541	SEP 21	1326 32.8	41.66S	174.27E	12	2.3	0.2	11	9
21549	SEP 21	1724 14.7	40.97S	175.45E	30	2.6	0.2	16	13
21550	SEP 21	1745 52.1	40.97S	175.45E	27	2.2	0.1	10	8
21553	SEP 21	1837 29.3	40.97S	175.44E	28	2.2	0.1	13	10
21559	SEP 21	2242 7.5	41.03S	175.02E	25	2.6	0.2	16	12
21568	SEP 22	0322 54.1	40.60S	175.88E	36	2.5	0.2	6	3
21569	SEP 22	0323 4.8	40.61S	175.87E	33	2.3	0.0	5	3
21575	SEP 22	0822 42.7	41.65S	173.94E	5R	2.0	0.3	10	8
21590	SEP 22	1542 21.2	41.62S	174.19E	5R	2.5	0.3	15	13
21599	SEP 22	2032 15.1	41.78S	174.55E	31	2.9	0.2	20	15
21605	SEP 23	0103 1.4	40.59S	175.86E	32	3.0	0.2	18	14
21610	SEP 23	0525 21.0	41.41S	174.36E	57	2.2	0.1	10	8
21619	SEP 23	0812 57.7	41.57S	174.33E	28	2.3	0.1	12	10
21621	SEP 23	0902 55.4	41.56S	174.33E	28	2.3	0.1	11	9
21641	SEP 23	1503 36.5	41.21S	175.24E	15	2.3	0.2	15	11
21657	SEP 23	2046 4.0	41.33S	174.33E	66	2.6	0.2	19	15
21668	SEP 24	0234 17.3	41.02S	175.39E	28	2.1	0.1	12	9
21673	SEP 24	0656 45.4	40.84S	174.74E	17	2.0	0.3	11	8
21676	SEP 24	0803 47.2	40.87S	175.73E	28	2.3	0.2	16	12
21680	SEP 24	1030 25.2	40.75S	174.78E	45	2.1	0.2	8	6
21685	SEP 24	1216 58.7	41.24S	173.73E	61	2.3	0.1	7	5
21686	SEP 24	1349 53.0	40.91S	175.45E	24	2.1	0.2	13	10

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
21688	SEP 24	1439 15.2	40.54S	174.36E	82	3.3	0.2	30	20
21709	SEP 25	1206 24.3	41.49S	173.65E	88	2.9	0.1	10	7
21711	SEP 25	1242 3.3	41.37S	175.04E	27	2.0	0.2	16	10
21717	SEP 25	1353 31.1	41.45S	175.60E	30	2.4	0.2	12	10
21735	SEP 25	2127 14.1	41.63S	174.21E	5R	2.3	0.3	14	11
21750	SEP 26	0445 29.7	40.78S	175.29E	26	2.2	0.2	12	8
21754	SEP 26	0554 24.4	41.44S	173.76E	62	2.7	0.3	17	12
21767	SEP 26	0945 47.3	41.69S	174.29E	5R	3.4	0.3	24	17
21768	SEP 26	0946 41.8	41.69S	174.28E	5R	2.5	0.3	15	11
21769	SEP 26	0950 22.7	40.55S	173.85E	94	3.0	0.2	11	8
21779	SEP 26	1302 12.9	41.05S	174.11E	93	2.6	0.1	8	6
21794	SEP 26	2225 34.1	41.82S	174.12E	5R	2.9	0.2	18	15
21795	SEP 26	2229 20.6	41.80S	174.12E	5R	2.2	0.2	11	7
21801	SEP 27	0215 33.3	40.61S	174.34E	18	2.6	0.1	14	10
21802	SEP 27	0244 52.9	40.53S	174.80E	28	2.1	0.2	10	7
21812	SEP 27	0622 2.9	41.80S	174.14E	10	3.1	0.3	21	18
21826	SEP 27	1113 7.3	40.75S	175.74E	17	2.6	0.3	16	12
21831	SEP 27	1327 51.9	41.08S	175.35E	25	2.1	0.1	10	7
21839	SEP 27	1536 2.1	41.05S	174.55E	40	2.9	0.1	14	12
21843	SEP 27	1553 40.6	41.78S	174.42E	52	2.7	0.2	21	16
21844	SEP 27	1610 35.0	41.56S	173.55E	71	2.9	0.2	19	16
21846	SEP 27	1807 46.0	41.69S	174.27E	5R	2.6	0.3	18	14
21848	SEP 27	1942 49.9	41.27S	175.16E	18	2.0	0.1	13	10
21854	SEP 27	2216 3.3	40.62S	175.49E	31	2.2	0.1	8	5
21860	SEP 28	0020 13.6	41.86S	174.18E	12R	3.3	0.3	21	19
21861	SEP 28	0027 10.6	41.60S	174.30E	5R	2.0	0.3	10	7
21877	SEP 28	0657 12.0	41.14S	173.66E	80	2.8	0.2	12	10
21882	SEP 28	1104 4.3	41.94S	174.03E	12R	2.1	0.2	9	8
21886	SEP 28	1203 37.9	40.70S	173.68E	165	2.9	0.4	9	8
21891	SEP 28	1423 44.6	40.97S	174.54E	50	2.9	0.1	12	10
21896	SEP 28	1846 5.2	40.57S	173.53E	204	3.3	0.3	9	7
21901	SEP 28	2213 57.0	41.60S	174.13E	9	3.4	0.2	20	14
21902	SEP 28	2238 38.9	40.56S	173.98E	87	3.2	0.2	12	9
21904	SEP 28	2304 3.5	41.49S	173.66E	75	3.9	0.2	23	19
21907	SEP 29	0242 56.1	40.91S	175.02E	32	2.4	0.2	17	12
21909	SEP 29	0342 40.4	40.71S	174.54E	67	3.3	0.1	18	15
21910	SEP 29	0419 57.9	41.79S	173.93E	41	2.5	0.2	11	7
21913	SEP 29	0628 16.7	40.53S	175.91E	31	2.6	0.2	12	9
21915	SEP 29	0925 45.9	40.88S	174.19E	47	2.3	0.2	9	7
21924	SEP 29	1946 48.7	40.61S	175.43E	11	2.9	0.3	14	11
21928	SEP 30	0348 21.0	40.72S	173.97E	73	2.4	0.4	8	5
21929	SEP 30	0356 0.8	40.52S	174.33E	84	2.6	0.2	9	6
21938	SEP 30	0910 29.0	40.55S	175.77E	32	2.4	0.2	8	5
21960	SEP 30	1813 32.9	41.35S	174.48E	20	2.1	0.2	12	9
21984	OCT 01	0818 59.5	41.13S	174.33E	33	2.4	0.2	7	5

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21989	OCT 01	1114 58.0	40.97S	175.00E	46	2.1	0.1	9	6
21991	OCT 01	1128 13.6	41.06S	174.66E	36	2.3	0.2	9	8
21997	OCT 01	1357 7.2	41.86S	174.24E	28	2.6	0.2	14	10
22011	OCT 01	1930 50.7	40.95S	174.98E	62	2.2	0.1	8	5
22036	OCT 02	1409 4.7	40.51S	173.89E	88	2.6	0.1	9	6
22047	OCT 03	0230 27.0	41.73S	174.51E	26	2.4	0.2	14	11
22053	OCT 03	0326 1.3	41.90S	174.09E	12R	2.5	0.4	17	14
22058	OCT 03	0434 52.8	41.71S	173.75E	43	2.9	0.3	23	15
22095	OCT 03	1702 15.5	41.71S	174.30E	12R	2.9	0.3	24	19
22122	OCT 04	0509 23.3	41.45S	174.28E	18	2.7	0.2	14	11
22129	OCT 04	0916 46.2	40.53S	175.10E	31	2.3	0.2	12	9
22132	OCT 04	1104 20.0	41.47S	174.44E	32	2.3	0.2	13	10
22140	OCT 04	1544 46.6	40.88S	175.72E	29	3.2	0.3	20	16
22143	OCT 04	1618 30.5	40.69S	175.91E	28	2.3	0.0	5	3
22148	OCT 04	1753 58.2	40.90S	175.52E	24	2.3	0.2	12	9
22150	OCT 04	2033 53.7	41.64S	174.26E	12R	2.3	0.2	9	5
22153	OCT 04	2057 27.5	40.90S	175.53E	23	2.3	0.1	15	12
22169	OCT 05	0533 42.4	40.69S	174.94E	30	3.0	0.2	25	20
22170	OCT 05	0536 22.8	40.65S	174.95E	34	2.5	0.1	17	12
22194	OCT 05	1605 3.9	41.41S	174.87E	47	3.5	0.2	32	23
22200	OCT 05	1829 32.5	41.18S	175.08E	14	2.7	0.2	20	14
22204	OCT 05	1905 33.7	41.41S	174.74E	25	2.2	0.1	12	10
22211	OCT 05	2131 38.0	41.58S	174.53E	12R	2.5	0.2	20	15
22212	OCT 05	2149 58.0	41.57S	174.52E	13	2.2	0.3	20	16
22248	OCT 06	1043 1.3	40.83S	175.61E	17	2.3	0.2	17	14
22256	OCT 06	1443 17.8	41.61S	174.24E	12	2.0	0.2	12	9
22271	OCT 06	1910 29.4	40.77S	174.42E	73	2.6	0.1	17	11
22278	OCT 06	2113 20.9	40.92S	174.94E	32	2.0	0.0	11	7
22282	OCT 06	2208 3.8	40.69S	175.06E	31	2.2	0.1	12	9
22288	OCT 07	0202 20.7	41.09S	175.01E	20	3.3F	0.3	24	20
22290	OCT 07	0244 22.8	41.66S	174.33E	18	2.4	0.2	18	15
22297	OCT 07	0813 49.5	41.06S	174.48E	35	2.0	0.1	10	8
22305	OCT 07	1056 53.3	40.80S	175.74E	29	3.0	0.2	19	15
22340	OCT 07	2336 0.9	41.45S	174.40E	19	2.3	0.2	16	13
22344	OCT 08	0102 44.5	41.71S	174.39E	8	2.9	0.2	22	17
22355	OCT 08	0531 13.1	41.26S	174.86E	23	2.4	0.2	16	12
22357	OCT 08	0650 13.5	41.11S	173.79E	65	2.4	0.1	7	5
22392	OCT 08	2341 8.1	40.55S	174.07E	73	2.3	0.1	7	4
22394	OCT 09	0220 25.1	40.50S	174.35E	49	2.1	0.2	8	5
22405	OCT 09	0556 20.8	40.84S	175.76E	29	2.1	0.1	13	10
22413	OCT 09	0817 15.2	41.50S	174.34E	28	2.5	0.2	14	11
22422	OCT 09	1143 31.8	40.56S	175.61E	35	2.3	0.1	7	4
22439	OCT 09	1554 25.2	41.19S	174.61E	56	2.0	0.1	9	8
22454	OCT 09	2325 12.6	41.47S	174.96E	14	2.3	0.3	13	11
22469	OCT 10	0628 49.1	41.42S	174.68E	30	2.7	0.1	17	14

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22472	OCT 10	0651 48.6	41.60S	175.92E	32	2.5	0.1	11	8
22476	OCT 10	0821 46.7	41.01S	174.93E	45	2.3	0.1	10	8
22479	OCT 10	0921 8.5	41.57S	173.98E	12R	2.6	0.3	19	14
22480	OCT 10	0922 44.7	41.59S	173.97E	12R	2.2	0.1	9	6
22483	OCT 10	1036 10.2	41.28S	175.28E	28	2.8	0.2	19	13
22484	OCT 10	1050 40.3	41.29S	175.28E	27	2.3	0.1	14	10
22491	OCT 10	1317 43.4	41.57S	173.77E	47	2.8	0.3	19	15
22500	OCT 10	1618 52.4	41.37S	175.11E	28	2.1	0.1	12	9
22512	OCT 10	2255 49.9	40.89S	174.83E	67	2.1	0.1	9	6
22531	OCT 11	1156 30.1	40.53S	175.51E	35	2.5	0.1	11	7
22541	OCT 11	1754 18.7	40.90S	175.82E	31	2.3	0.1	10	7
22546	OCT 11	2013 5.7	40.88S	175.75E	28	2.5	0.2	12	10
22554	OCT 12	0018 33.3	40.66S	174.32E	12R	2.0	0.3	8	5
22568	OCT 12	1333 7.1	40.66S	175.59E	30	2.1	0.1	12	9
22576	OCT 12	1710 53.1	41.43S	173.80E	56	2.4	0.0	6	4
22591	OCT 13	0231 40.4	41.04S	174.06E	53	2.2	0.2	11	9
22594	OCT 13	0337 37.2	41.06S	174.70E	33	2.2	0.1	11	10
22599	OCT 13	0841 48.0	41.46S	175.82E	17	2.9	0.2	20	15
22600	OCT 13	0913 58.8	40.52S	174.35E	85	3.3	0.1	21	15
22602	OCT 13	1049 8.7	41.13S	173.60E	87	3.8	0.2	26	21
22604	OCT 13	1102 19.9	41.09S	173.57E	84	3.5	0.2	26	20
22609	OCT 13	1238 39.9	41.17S	173.68E	81	2.3	0.2	7	5
22614	OCT 13	1519 29.7	41.13S	173.62E	84	3.4	0.2	25	18
22615	OCT 13	1604 38.0	41.12S	173.60E	89	3.0	0.2	23	17
22635	OCT 14	0359 15.0	40.91S	174.76E	44	2.1	0.2	9	7
22648	OCT 14	1224 8.7	41.26S	175.25E	25	2.1	0.1	10	7
22653	OCT 14	1955 19.6	41.23S	175.18E	22	2.7	0.2	18	14
22668	OCT 15	0425 35.0	40.85S	173.86E	73	2.7	0.2	12	9
22704	OCT 16	0249 53.0	40.52S	174.12E	87	2.5	0.2	12	8
22707	OCT 16	0328 23.3	41.55S	174.88E	36	2.4	0.1	9	7
22712	OCT 16	0714 22.1	40.71S	175.50E	28	2.1	0.1	12	8
22721	OCT 16	0948 15.7	41.77S	173.83E	15	2.8	0.3	21	17
22726	OCT 16	1055 27.7	40.81S	175.30E	30	2.5	0.1	16	12
22727	OCT 16	1115 45.5	40.50S	174.72E	32	2.2	0.2	9	5
22728	OCT 16	1143 48.3	41.01S	174.87E	29	2.6	0.2	19	14
22739	OCT 16	1606 12.3	41.19S	173.50E	91	2.5	0.3	15	11
22749	OCT 16	1847 27.2	41.67S	175.16E	15	2.1	0.2	10	9
22760	OCT 17	0039 41.4	41.77S	174.46E	45	2.3	0.2	13	12
22765	OCT 17	0447 3.2	41.39S	174.27E	61	3.0	0.2	26	19
22781	OCT 17	2255 18.0	41.08S	174.73E	28	2.9	0.1	16	12
22782	OCT 17	2256 48.0	41.09S	174.74E	29	2.0	0.1	7	6
22784	OCT 18	0000 58.2	41.35S	174.99E	26	2.3	0.1	12	8
22789	OCT 18	0321 51.9	40.95S	175.00E	35	2.5	0.1	11	9
22806	OCT 18	1952 31.9	41.29S	175.30E	28	2.2	0.2	14	10
22809	OCT 18	2043 56.8	41.03S	173.81E	66	2.6	0.1	10	6

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
22812	OCT 18	2257 18.7	41.16S	174.62E	34	2.1	0.1	9	8
22815	OCT 19	0022 51.5	40.69S	175.71E	29	2.7	0.3	14	10
22825	OCT 19	0807 29.0	41.33S	174.53E	35	2.3	0.2	11	9
22828	OCT 19	0955 56.3	41.70S	174.13E	37	3.6	0.2	26	20
22830	OCT 19	1223 5.3	41.60S	173.66E	61	3.0	0.2	17	13
22833	OCT 19	1244 44.8	40.91S	174.76E	43	2.3	0.1	12	8
22834	OCT 19	1317 22.2	41.02S	174.88E	57	2.5	0.0	11	9
22836	OCT 19	1333 12.8	41.31S	173.70E	40	2.6	0.2	8	6
22842	OCT 19	1709 24.7	40.85S	174.74E	11	2.8	0.3	22	17
22845	OCT 19	2143 12.9	41.13S	173.85E	63	2.7	0.2	11	9
22858	OCT 20	0440 16.2	41.60S	174.82E	28	2.5	0.2	15	12
22865	OCT 20	0727 46.2	41.72S	174.62E	31	2.6	0.2	14	10
22891	OCT 20	1703 27.2	41.36S	174.83E	30	2.0	0.0	12	9
22895	OCT 20	2010 11.0	41.61S	175.32E	18	2.3	0.3	11	7
22909	OCT 21	0346 36.2	41.13S	175.82E	31	3.1	0.2	17	12
22911	OCT 21	0358 59.0	41.12S	175.80E	28	2.4	0.2	11	7
22912	OCT 21	0409 11.9	40.94S	175.52E	24	2.2	0.2	13	10
22913	OCT 21	0444 9.3	40.81S	174.73E	38	2.2	0.1	10	8
22949	OCT 21	1837 27.9	40.71S	174.95E	5R	2.1	0.3	12	9
22950	OCT 21	1843 51.0	41.06S	174.28E	65	2.3	0.1	8	5
22980	OCT 22	0725 23.0	41.09S	174.02E	61	2.5	0.3	12	9
22989	OCT 22	1139 23.6	40.69S	174.28E	47	2.2	0.1	7	6
22993	OCT 22	1313 25.3	41.18S	173.80E	55	2.1	0.2	8	6
23011	OCT 22	2039 38.1	40.54S	174.91E	25	2.5	0.1	15	12
23022	OCT 22	2311 32.0	41.90S	173.98E	19	2.4	0.3	17	12
23037	OCT 23	0851 8.1	41.71S	174.16E	34	2.4	0.3	14	11
23042	OCT 23	0949 36.8	40.78S	175.94E	28	2.0	0.1	5	3
23052	OCT 23	1348 26.8	41.71S	174.50E	51	2.5	0.2	11	10
23054	OCT 23	1419 50.6	41.30S	175.27E	28	2.1	0.1	15	11
23062	OCT 23	1602 54.8	40.71S	173.67E	88	2.2	0.2	9	6
23074	OCT 23	1830 36.0	41.63S	174.41E	5R	2.0	0.2	12	10
23075	OCT 23	1932 33.8	41.14S	174.61E	59	3.6	0.2	32	26
23090	OCT 24	0228 3.0	41.63S	174.65E	30	2.3	0.2	14	12
23093	OCT 24	0325 40.7	40.87S	175.62E	25	2.1	0.1	10	7
23105	OCT 24	0816 50.0	41.05S	174.55E	57	2.1	0.1	11	7
23108	OCT 24	0833 45.4	40.51S	175.74E	34	2.3	0.1	8	3
23113	OCT 24	1013 9.6	40.61S	174.08E	63	2.4	0.3	10	6
23121	OCT 24	1356 46.4	41.07S	174.46E	63	2.9	0.1	17	14
23122	OCT 24	1434 43.9	40.69S	174.05E	96	2.4	0.2	8	7
23152	OCT 25	0507 48.1	41.70S	174.28E	5R	2.4	0.3	13	12
23156	OCT 25	0626 39.4	40.60S	174.58E	12R	3.1	0.2	22	17
23159	OCT 25	0723 8.2	40.63S	174.57E	12R	2.1	0.2	9	6
23174	OCT 25	1446 51.0	40.61S	174.39E	55	2.4	0.2	9	7
23177	OCT 25	1631 57.4	41.71S	174.26E	5R	2.6	0.3	16	13
23184	OCT 25	2216 41.2	41.18S	174.58E	60	2.1	0.1	9	7

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
23189	OCT 26	0512 50.2	41.68S	174.12E	57	3.6	0.2	27	19
23194	OCT 26	0632 20.4	41.08S	174.94E	30	2.0	0.1	13	10
23200	OCT 26	0902 14.1	41.70S	174.22E	12R	2.4	0.2	13	11
23202	OCT 26	0931 35.5	40.62S	174.58E	12R	2.3	0.2	12	9
23215	OCT 26	1305 21.4	41.60S	173.97E	18	2.2	0.2	13	10
23218	OCT 26	1356 52.3	41.55S	174.31E	25	2.3	0.2	17	13
23220	OCT 26	1550 58.0	40.98S	175.21E	25	2.3	0.2	14	12
23224	OCT 26	1732 36.9	41.37S	174.94E	13	2.0	0.1	13	10
23259	OCT 27	0943 26.3	41.02S	174.73E	42	3.0	0.2	21	16
23267	OCT 27	1341 27.0	40.84S	174.53E	23	2.0	0.2	10	7
23271	OCT 27	1616 3.8	41.74S	174.24E	5R	2.4	0.2	9	7
23272	OCT 27	1621 37.7	41.72S	174.26E	5R	2.9	0.3	20	19
23282	OCT 27	1937 15.1	40.61S	174.48E	51	2.6	0.2	13	9
23283	OCT 27	1937 28.5	40.56S	174.48E	42	2.6	0.1	9	5
23284	OCT 27	2000 12.3	41.70S	174.18E	5R	2.3	0.3	10	9
23290	OCT 27	2144 17.9	40.77S	174.04E	79	2.6	0.2	10	7
23297	OCT 27	2348 34.4	40.63S	174.57E	12R	2.3	0.2	10	8
23298	OCT 28	0012 44.8	41.06S	174.64E	33	2.3	0.1	12	11
23299	OCT 28	0016 53.9	41.28S	174.15E	40	2.5	0.1	14	11
23300	OCT 28	0031 19.6	41.75S	174.27E	5R	2.5	0.3	16	15
23307	OCT 28	0420 14.5	41.76S	174.23E	5R	2.4	0.3	10	9
23311	OCT 28	0621 13.3	40.91S	175.76E	30	2.5	0.2	16	12
23320	OCT 28	1136 10.9	41.66S	174.33E	12R	2.0	0.2	13	10
23331	OCT 28	1550 4.0	41.05S	175.52E	24	2.1	0.1	13	9
23350	OCT 29	0121 39.6	41.93S	173.96E	16	2.0	0.3	11	9
23352	OCT 29	0213 46.9	41.37S	174.58E	30	2.2	0.2	14	11
23353	OCT 29	0216 27.7	41.70S	174.29E	12R	2.2	0.3	13	11
23366	OCT 29	0723 54.1	41.70S	173.78E	70	2.9	0.2	11	9
23374	OCT 29	0949 35.6	41.08S	174.92E	25	2.1	0.3	11	9
23379	OCT 29	1219 30.2	41.07S	174.66E	56	2.3	0.1	9	7
23386	OCT 29	1647 54.4	40.69S	175.72E	27	3.2	0.3	22	17
23393	OCT 29	1939 22.5	41.38S	174.47E	20	2.1	0.3	13	9
23394	OCT 29	2018 47.1	40.74S	174.76E	40	2.8	0.2	17	13
23404	OCT 29	2344 25.4	41.46S	174.88E	28	2.3	0.1	8	7
23405	OCT 29	2358 49.1	40.61S	174.61E	43	2.4	0.1	12	9
23407	OCT 30	0021 48.1	40.70S	174.16E	63	2.4	0.2	11	8
23414	OCT 30	0439 7.3	41.28S	175.01E	24	2.0	0.0	9	8
23416	OCT 30	0528 13.7	40.85S	174.85E	59	2.6	0.1	14	11
23434	OCT 30	1125 14.8	41.06S	175.19E	18	3.0	0.2	24	18
23438	OCT 30	1250 28.2	41.08S	175.53E	30	3.1	0.2	21	15
23439	OCT 30	1254 18.2	41.57S	175.45E	23	4.6F	0.2	24	21
23440	OCT 30	1302 42.1	41.54S	175.40E	24	3.8F	0.3	30	23
23444	OCT 30	1402 50.9	41.04S	174.61E	33	2.2	0.1	13	11
23461	OCT 30	2320 6.4	40.61S	173.68E	134	2.9	0.1	11	8
23463	OCT 31	0118 33.3	41.27S	174.33E	55	2.2	0.0	8	6

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
23466	OCT 31	0511 55.1	41.27S	175.01E	5R	2.3	0.3	14	10
23474	OCT 31	0837 22.3	40.95S	175.48E	27	2.4	0.2	13	10
23501	OCT 31	2334 37.5	41.42S	173.91E	58	2.1	0.1	7	5
23533	NOV 01	1025 24.0	40.87S	175.49E	24	2.0	0.2	9	6
23547	NOV 01	1505 3.1	40.63S	174.57E	24	2.1	0.2	8	6
23557	NOV 01	1726 45.5	41.85S	175.17E	33	2.0	0.1	9	6
23562	NOV 01	1821 11.7	41.34S	174.50E	38	2.8	0.2	16	12
23566	NOV 01	2234 16.2	40.86S	175.76E	30	2.6	0.1	12	9
23576	NOV 02	0357 51.7	41.47S	173.76E	57	3.8	0.3	26	21
23578	NOV 02	0425 38.2	41.57S	173.75E	52	2.6	0.2	10	7
23608	NOV 02	1618 11.3	40.79S	174.51E	72	2.0	0.1	8	5
23611	NOV 02	1704 40.3	41.52S	173.81E	50	2.5	0.1	13	10
23612	NOV 02	1711 48.5	41.28S	175.27E	28	2.2	0.1	16	11
23639	NOV 03	0544 10.1	40.75S	174.43E	5R	2.0	0.1	8	5
23656	NOV 03	1305 49.0	41.19S	174.93E	25	2.0	0.1	10	8
23659	NOV 03	1327 26.3	40.88S	175.91E	31	2.3	0.2	15	11
23662	NOV 03	1438 55.7	40.66S	175.80E	16	2.7	0.3	17	13
23665	NOV 03	1555 20.3	41.06S	173.85E	70	2.3	0.1	7	5
23674	NOV 03	1936 56.4	41.74S	175.10E	30	2.4	0.1	11	9
23695	NOV 04	0444 25.1	41.54S	174.20E	12	2.0	0.3	12	10
23698	NOV 04	0628 31.0	40.92S	175.52E	24	2.1	0.1	8	6
23701	NOV 04	0810 26.3	41.29S	175.28E	27	2.0	0.1	10	9
23710	NOV 04	1246 58.4	41.75S	174.55E	33	2.7	0.2	20	14
23720	NOV 04	1718 34.6	41.24S	175.18E	26	2.4	0.1	12	11
23722	NOV 04	1826 1.4	40.98S	175.41E	21	2.2	0.1	11	9
23755	NOV 05	0912 51.1	40.92S	175.51E	24	2.6	0.2	12	9
23762	NOV 05	1227 35.8	40.70S	174.54E	41	2.8	0.3	18	15
23770	NOV 05	1559 48.0	40.93S	175.54E	25	2.1	0.1	12	10
23779	NOV 05	2137 32.8	40.70S	175.93E	30	3.6	0.2	34	27
23782	NOV 05	2249 30.1	40.55S	174.67E	49	3.3	0.3	26	23
23783	NOV 05	2327 36.5	40.93S	175.53E	25	2.3	0.2	11	8
23786	NOV 06	0244 7.2	41.69S	174.53E	30	2.0	0.2	9	7
23792	NOV 06	0449 15.1	42.00S	173.88E	15	2.6	0.1	13	9
23799	NOV 06	1104 32.4	41.66S	174.27E	4	2.0	0.1	10	8
23804	NOV 06	1502 8.3	41.14S	174.58E	57	2.8	0.1	10	8
23807	NOV 06	1524 15.4	40.97S	175.57E	28	2.1	0.2	8	6
23809	NOV 06	1535 13.6	41.27S	175.31E	24	2.0	0.1	11	8
23817	NOV 06	2150 39.0	40.86S	173.50E	109	3.6	0.3	29	19
23830	NOV 07	1258 35.4	40.98S	175.62E	29	2.7	0.1	15	12
23833	NOV 07	1507 17.3	41.59S	173.93E	12R	2.7	0.1	15	12
23835	NOV 07	1700 19.0	41.60S	174.67E	29	2.7	0.2	17	12
23843	NOV 08	0040 8.9	40.94S	175.12E	32	2.1	0.1	6	5
23853	NOV 08	0908 5.6	40.99S	175.39E	19	2.0	0.2	9	7
23863	NOV 08	1854 22.4	41.28S	174.46E	68	2.5	0.2	7	5
23864	NOV 08	1933 59.9	41.26S	174.01E	50	3.3	0.2	21	17

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
23870	NOV 09	0129 23.4	40.54S	174.74E	30	2.7	0.2	15	12
23878	NOV 09	0613 30.8	40.93S	174.78E	59	2.7	0.1	13	11
23891	NOV 09	1900 48.9	41.45S	174.34E	5R	4.0F	0.3	31	21
23892	NOV 09	1914 52.8	41.46S	174.34E	5R	2.4	0.2	12	11
23901	NOV 09	2332 0.3	40.79S	175.36E	29	2.6	0.2	15	11
23921	NOV 10	0836 8.3	40.94S	174.67E	60	2.8	0.2	14	12
23930	NOV 10	1437 28.5	41.68S	174.14E	60	3.0	0.2	27	19
23933	NOV 10	1659 8.3	40.65S	173.70E	155	2.7	0.2	13	10
23938	NOV 10	1923 58.8	40.50S	174.74E	78	4.6	0.2	39	33
23945	NOV 10	2339 52.9	40.59S	174.98E	35	2.2	0.2	8	6
23946	NOV 10	2357 1.2	41.49S	173.55E	76	2.3	0.2	10	7
23966	NOV 11	1037 50.4	41.29S	175.31E	27	2.5	0.1	14	10
23970	NOV 11	1601 57.5	40.87S	174.76E	16	2.0	0.2	8	6
23985	NOV 12	0024 58.3	41.16S	174.15E	53	3.0	0.2	13	10
23986	NOV 12	0040 31.5	41.52S	174.40E	26	2.2	0.1	8	6
23989	NOV 12	0107 32.9	41.32S	174.29E	36	3.0	0.2	15	11
23994	NOV 12	0257 8.8	41.29S	175.70E	18	2.6	0.1	11	7
24001	NOV 12	0753 26.1	41.81S	174.11E	5R	3.9	0.3	24	20
24002	NOV 12	0807 35.8	41.80S	174.12E	9	2.6	0.2	18	14
24004	NOV 12	0817 45.8	41.80S	174.11E	9	2.6	0.2	21	17
24006	NOV 12	0824 38.4	41.87S	174.11E	5R	2.5	0.3	14	12
24007	NOV 12	0829 5.6	41.80S	174.12E	9	2.3	0.2	14	12
24008	NOV 12	0831 50.8	41.80S	174.11E	8	2.2	0.2	16	12
24016	NOV 12	1340 55.7	40.88S	175.18E	22	2.0	0.3	9	7
24019	NOV 12	1514 29.5	41.86S	174.46E	21	3.3	0.3	30	22
24054	NOV 13	0952 1.2	41.23S	174.45E	36	2.4	0.2	11	9
24069	NOV 13	2036 49.0	41.58S	174.22E	12R	2.9	0.2	18	16
24071	NOV 13	2148 57.1	41.35S	174.96E	12	2.5	0.1	11	9
24072	NOV 13	2153 22.2	41.72S	174.25E	14	2.1	0.1	8	5
24074	NOV 13	2243 39.9	40.56S	174.61E	25	2.2	0.2	6	4
24124	NOV 15	0154 54.3	41.12S	175.43E	24	2.0	0.1	7	5
24128	NOV 15	0834 36.5	40.61S	174.74E	41	2.4	0.2	11	8
24137	NOV 15	1244 26.5	40.91S	174.40E	51	2.8	0.1	14	10
24144	NOV 15	1924 2.9	41.75S	174.55E	31	2.7	0.2	14	11
24148	NOV 15	2111 16.4	40.68S	173.56E	148	3.0	0.1	14	11
24155	NOV 16	0058 26.9	41.18S	175.76E	23	2.3	0.3	16	11
24165	NOV 16	0901 51.8	41.06S	174.61E	39	2.2	0.1	10	9
24166	NOV 16	0903 35.6	41.62S	173.84E	44	2.0	0.3	7	6
24168	NOV 16	1014 38.6	40.83S	175.95E	28	2.0	0.1	6	3
24171	NOV 16	1049 11.5	41.00S	175.60E	27	2.5	0.1	10	7
24183	NOV 16	1906 4.0	41.24S	175.17E	24	2.0	0.2	11	8
24187	NOV 16	2210 15.3	41.39S	175.12E	23	2.6	0.2	21	14
24188	NOV 16	2214 27.7	41.38S	175.12E	23	2.1	0.1	10	8
24190	NOV 16	2239 15.9	41.37S	175.12E	23	2.1	0.1	12	9
24196	NOV 17	0042 39.2	41.19S	174.64E	41	3.3	0.1	23	18

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
24201	NOV 17	0328 7.4	41.29S	175.20E	22	2.6	0.1	23	14
24203	NOV 17	0411 41.2	41.07S	174.05E	48	2.1	0.2	8	5
24216	NOV 17	1240 31.8	41.46S	174.32E	15	2.0	0.2	10	8
24230	NOV 17	1942 27.0	41.06S	174.61E	32	2.0	0.1	9	7
24236	NOV 18	0149 43.8	41.41S	174.20E	62	2.7	0.2	14	12
24241	NOV 18	0450 8.7	41.40S	174.83E	13	2.0	0.2	8	5
24252	NOV 18	1122 35.3	40.96S	175.65E	23	2.5	0.2	14	11
24255	NOV 18	1308 49.6	41.45S	174.33E	12	2.9	0.3	19	15
24257	NOV 18	1352 42.7	41.08S	174.41E	40	2.2	0.1	8	6
24258	NOV 18	1436 27.2	40.95S	175.25E	25	2.2	0.1	8	6
24266	NOV 18	2153 46.7	41.23S	173.60E	78	2.7	0.2	12	8
24267	NOV 18	2208 7.5	41.14S	174.62E	33	2.4	0.1	12	9
24271	NOV 19	0009 49.0	41.59S	174.20E	19	3.3	0.2	22	17
24277	NOV 19	0624 57.1	41.57S	174.20E	5R	2.7	0.3	16	12
24289	NOV 19	1436 55.1	41.34S	174.17E	55	2.1	0.1	8	6
24297	NOV 19	1954 49.1	40.76S	175.35E	26	2.1	0.1	9	6
24298	NOV 19	2013 49.8	40.81S	175.10E	37	2.1	0.2	11	8
24301	NOV 20	0012 0.9	40.55S	175.96E	25	2.1	0.2	8	6
24305	NOV 20	0207 11.5	41.07S	175.39E	24	2.6	0.2	13	10
24326	NOV 20	1209 44.4	40.75S	174.99E	38	2.6	0.1	9	7
24327	NOV 20	1232 5.6	41.67S	174.28E	10	2.4	0.2	13	8
24332	NOV 20	1543 4.8	41.39S	174.26E	35	2.0	0.2	7	3
24347	NOV 21	0023 39.6	40.86S	174.71E	41	3.9F	0.2	32	28
24354	NOV 21	0703 29.1	40.83S	174.66E	38	2.6	0.2	11	8
24371	NOV 21	2355 10.6	41.62S	173.89E	34	2.7	0.1	8	5
24372	NOV 22	0030 50.5	41.03S	174.19E	36	2.8	0.3	9	8
24382	NOV 22	1238 38.4	40.91S	175.62E	7	3.1	0.3	15	12
24400	NOV 22	2303 44.3	41.18S	174.80E	31	2.0	0.1	7	5
24413	NOV 23	1328 34.8	40.85S	174.54E	23	2.1	0.1	9	6
24417	NOV 23	1539 28.6	40.59S	174.71E	44	2.2	0.1	7	5
24423	NOV 23	2323 16.2	41.68S	174.50E	32	2.4	0.2	10	8
24431	NOV 24	0239 3.9	41.72S	175.94E	34	2.3	0.1	12	10
24432	NOV 24	0251 31.6	41.02S	174.66E	48	2.4	0.1	8	7
24468	NOV 24	1014 49.4	40.92S	175.16E	30	2.2	0.2	13	9
24477	NOV 24	1201 30.0	41.65S	174.95E	28	2.5	0.2	13	11
24481	NOV 24	1302 57.5	41.69S	174.50E	51	2.9	0.2	22	17
24497	NOV 24	1808 33.1	40.73S	174.23E	56	2.2	0.1	8	6
24498	NOV 24	1942 14.0	41.49S	173.71E	50	2.3	0.1	9	6
24533	NOV 25	1056 14.6	41.63S	174.29E	12	2.5	0.2	15	12
24546	NOV 25	2029 5.7	40.51S	174.11E	73	2.5	0.2	9	6
24549	NOV 25	2115 13.6	40.72S	175.90E	30	2.4	0.3	10	7
24557	NOV 26	0035 25.7	40.99S	175.18E	24	2.0	0.2	8	5
24560	NOV 26	0124 12.3	41.09S	174.69E	32	2.7	0.1	17	13
24562	NOV 26	0211 55.4	40.83S	176.00E	27	2.0	0.0	5	3
24570	NOV 26	0545 47.7	41.09S	174.70E	34	2.1	0.1	10	9

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
24571	NOV 26	0546 43.9	41.07S	174.73E	31	2.0	0.1	7	5
24596	NOV 26	1750 6.0	41.51S	174.45E	53	2.0	0.1	9	7
24598	NOV 26	1852 5.5	41.23S	175.23E	23	2.0	0.1	9	7
24602	NOV 26	1920 41.1	41.05S	174.68E	56	2.3	0.1	9	8
24603	NOV 26	1938 55.3	41.14S	175.16E	26	2.0	0.1	8	7
24610	NOV 26	2342 11.9	41.72S	174.48E	32	2.2	0.2	7	5
24621	NOV 27	0627 18.2	41.39S	175.01E	10	2.4	0.2	15	12
24623	NOV 27	0656 4.6	41.23S	175.23E	27	2.1	0.1	13	8
24636	NOV 27	1049 51.7	41.17S	173.73E	79	3.4	0.2	24	15
24649	NOV 27	1504 12.8	41.60S	174.38E	16	2.6	0.2	21	14
24659	NOV 27	1805 12.8	41.62S	174.02E	8	3.1	0.3	21	16
24670	NOV 28	0412 8.4	41.27S	175.19E	24	2.1	0.1	8	7
24673	NOV 28	0521 4.3	40.90S	175.61E	9	2.1	0.1	11	8
24679	NOV 28	0919 51.0	41.40S	175.06E	25	2.1	0.2	12	9
24692	NOV 28	1530 29.9	40.90S	174.64E	43	2.2	0.1	10	6
24697	NOV 28	1708 31.2	41.51S	174.49E	23	2.5	0.2	16	13
24700	NOV 28	1740 21.2	40.68S	174.60E	72	2.4	0.1	10	6
24716	NOV 29	0210 8.0	41.73S	174.25E	32	2.1	0.2	11	10
24722	NOV 29	0742 32.5	41.19S	175.92E	30	2.7	0.1	12	8
24723	NOV 29	0742 51.6	41.18S	175.90E	29	2.4	0.2	9	7
24750	NOV 29	1938 17.2	41.29S	175.31E	29	2.2	0.1	11	9
24774	NOV 30	0441 36.9	40.93S	174.58E	55	3.5	0.2	28	24
24792	NOV 30	1347 32.6	41.57S	173.58E	52	2.4	0.2	12	9
24794	NOV 30	1403 40.7	41.66S	174.30E	15	2.0	0.2	9	7
24796	NOV 30	1447 47.6	41.00S	175.51E	29	3.0	0.2	18	14
24802	NOV 30	1812 41.8	41.77S	174.39E	5R	2.8	0.3	17	15
24823	DEC 01	0428 31.9	40.58S	175.59E	28	2.4	0.1	9	7
24829	DEC 01	0714 28.8	40.96S	175.40E	22	2.5	0.2	14	10
24837	DEC 01	1138 12.1	40.67S	174.59E	12R	2.0	0.1	9	7
24838	DEC 01	1148 46.3	41.72S	174.97E	33	2.2	0.1	6	5
24841	DEC 01	1311 39.3	40.63S	174.44E	32	2.9	0.2	25	21
24852	DEC 01	1729 46.4	41.06S	174.68E	33	2.0	0.2	7	5
24859	DEC 01	1922 29.1	40.58S	174.18E	67	2.2	0.2	7	5
24860	DEC 01	1950 12.2	41.67S	173.88E	18	2.3	0.2	11	8
24864	DEC 01	2212 45.0	41.12S	174.28E	44	2.2	0.1	11	8
24865	DEC 01	2241 5.5	41.27S	175.32E	29	2.0	0.1	10	8
24887	DEC 02	1146 48.6	41.79S	174.38E	29	3.3	0.2	26	20
24888	DEC 02	1147 50.7	41.77S	174.35E	30	3.4	0.2	28	19
24889	DEC 02	1154 9.3	41.78S	174.35E	29	2.2	0.2	13	10
24892	DEC 02	1316 50.2	40.91S	175.13E	30	2.5	0.2	18	13
24893	DEC 02	1418 48.3	41.35S	173.76E	47	2.7	0.3	19	14
24898	DEC 02	1512 10.2	40.62S	175.75E	18	2.0	0.2	12	9
24917	DEC 03	0300 1.3	41.07S	174.32E	64	2.3	0.1	6	5
24935	DEC 03	1013 58.4	41.66S	174.28E	12R	2.2	0.3	10	8
24951	DEC 03	1744 56.1	40.59S	174.19E	81	2.3	0.1	8	5

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
24959	DEC 03	2118 5.6	41.71S	174.60E	32	2.7	0.2	13	9
24976	DEC 04	0723 5.6	41.02S	175.85E	20	2.1	0.3	11	8
24978	DEC 04	0809 49.1	41.18S	174.61E	31	2.6	0.2	16	10
24981	DEC 04	0846 11.5	40.79S	175.28E	27	2.2	0.3	12	10
24997	DEC 04	1534 45.6	41.32S	173.65E	65	2.3	0.2	8	5
25014	DEC 04	2254 24.1	41.29S	174.73E	27	2.1	0.1	12	10
25016	DEC 04	2337 31.6	40.58S	174.20E	59	2.7	0.2	9	5
25020	DEC 05	0134 4.1	41.18S	175.27E	25	2.2	0.1	13	8
25038	DEC 05	1237 34.7	40.55S	174.07E	90	3.1	0.2	27	19
25048	DEC 05	1458 31.5	41.76S	174.53E	29	2.2	0.2	9	7
25055	DEC 05	1738 33.8	41.07S	174.68E	56	2.2	0.1	10	7
25057	DEC 05	2150 17.2	40.63S	175.48E	30	2.2	0.1	9	7
25060	DEC 05	2345 9.0	41.09S	174.70E	32	2.0	0.2	14	10
25064	DEC 06	0425 0.7	41.20S	173.74E	61	2.3	0.2	8	5
25073	DEC 06	1010 51.1	41.15S	175.15E	28	2.5	0.3	15	12
25074	DEC 06	1041 47.6	40.67S	174.34E	9	2.0	0.1	8	7
25076	DEC 06	1148 31.9	41.07S	174.59E	65	2.2	0.2	11	9
25083	DEC 06	1341 59.0	41.03S	173.99E	57	2.4	0.3	10	8
25109	DEC 06	2049 53.9	41.31S	174.19E	41	2.3	0.1	12	9
25121	DEC 07	0256 25.4	41.84S	174.22E	26	2.5	0.3	20	14
25127	DEC 07	0514 19.8	41.43S	174.63E	22	2.2	0.2	15	9
25133	DEC 07	0821 50.0	41.00S	173.67E	56	2.9	0.2	18	13
25134	DEC 07	1018 28.6	40.89S	175.73E	28	2.1	0.2	14	9
25138	DEC 07	1126 32.8	41.45S	174.33E	12R	2.5	0.3	17	14
25147	DEC 07	1416 12.1	41.67S	173.87E	12R	3.4	0.3	27	21
25148	DEC 07	1421 33.9	41.67S	173.86E	13	3.1	0.2	21	17
25149	DEC 07	1428 50.8	41.67S	173.85E	11	2.6	0.1	15	13
25150	DEC 07	1542 51.0	40.86S	174.76E	17	2.1	0.2	11	8
25151	DEC 07	1614 37.5	41.68S	173.85E	17	2.4	0.2	12	9
25155	DEC 07	1705 53.9	40.56S	175.96E	30	2.3	0.1	10	7
25157	DEC 07	2000 0.6	41.69S	173.90E	16	2.2	0.2	11	7
25160	DEC 07	2020 23.7	40.59S	174.32E	22	2.2	0.1	9	8
25198	DEC 08	1920 50.3	40.59S	175.20E	31	2.6	0.1	13	11
25224	DEC 09	1412 54.1	41.25S	174.62E	33	3.1	0.2	19	16
25231	DEC 09	1732 23.7	41.43S	173.60E	73	3.4	0.2	26	20
25235	DEC 09	1857 49.2	40.90S	175.99E	29	2.5	0.3	15	11
25258	DEC 10	0614 39.0	41.20S	174.59E	35	2.4	0.2	14	11
25260	DEC 10	0721 21.5	41.27S	175.23E	26	2.5	0.2	13	9
25262	DEC 10	0744 47.4	41.41S	173.72E	47	2.2	0.2	8	5
25266	DEC 10	0902 40.3	41.26S	174.61E	33	2.6	0.2	17	14
25268	DEC 10	1109 46.3	40.93S	174.76E	52	2.4	0.1	14	9
25269	DEC 10	1119 54.2	41.48S	173.61E	65	2.5	0.2	12	8
25287	DEC 10	1855 56.4	40.93S	174.75E	53	2.7	0.1	18	14
25288	DEC 10	1921 28.3	40.70S	174.90E	32	2.4	0.2	19	14
25297	DEC 10	2301 51.0	40.90S	173.58E	97	2.5	0.3	14	10

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
25317	DEC 11	0706 34.0	41.77S	174.39E	5R	2.4	0.3	15	12
25356	DEC 11	0914 11.9	41.76S	174.34E	5R	2.6	0.3	16	14
25405	DEC 11	1743 59.2	40.93S	174.55E	63	2.4	0.2	14	10
25414	DEC 12	0000 10.2	41.79S	174.52E	35	2.2	0.1	12	10
25415	DEC 12	0014 52.7	41.69S	174.28E	5R	2.1	0.2	13	10
25427	DEC 12	0720 19.1	40.84S	174.68E	47	2.1	0.2	10	6
25429	DEC 12	0819 58.4	41.57S	174.01E	33	2.6	0.2	16	13
25437	DEC 12	1241 57.0	41.38S	175.01E	5R	2.5	0.1	12	9
25453	DEC 12	2105 22.3	40.92S	174.48E	54	2.3	0.1	9	7
25459	DEC 13	0406 41.8	41.43S	174.84E	26	2.2	0.1	13	10
25463	DEC 13	0915 51.6	41.12S	174.54E	54	2.5	0.0	12	10
25490	DEC 14	0346 43.8	40.56S	174.14E	95	2.4	0.2	10	9
25499	DEC 14	0852 51.6	41.01S	174.15E	64	2.0	0.3	10	8
25510	DEC 14	1815 59.5	41.42S	174.55E	31	2.7	0.2	18	13
25516	DEC 14	2126 9.7	41.70S	174.27E	10	3.2	0.2	23	18
25529	DEC 15	0426 2.3	41.19S	175.50E	19	2.0	0.1	9	7
25537	DEC 15	0936 44.0	41.28S	174.99E	25	2.5	0.1	15	13
25539	DEC 15	1002 36.1	41.65S	173.96E	13	2.1	0.2	15	10
25628	DEC 15	1513 57.8	40.83S	175.12E	28	5.3F	0.3	38	33
25632	DEC 15	1528 48.2	40.81S	175.09E	32	2.1	0.1	10	9
25634	DEC 15	1529 37.4	40.81S	175.11E	31	2.2	0.1	12	11
25635	DEC 15	1530 53.8	40.81S	175.10E	30	2.2	0.2	11	10
25636	DEC 15	1531 47.9	40.79S	175.12E	30	2.5	0.2	19	15
25638	DEC 15	1533 4.6	40.79S	175.12E	30	2.4	0.2	17	14
25639	DEC 15	1534 12.3	40.81S	175.12E	30	2.5	0.2	12	10
25641	DEC 15	1535 18.7	40.82S	175.11E	31	2.2	0.2	11	9
25644	DEC 15	1539 59.8	40.79S	175.09E	31	2.2	0.1	13	8
25655	DEC 15	1558 13.2	40.76S	175.10E	33R	2.1	0.1	8	8
25656	DEC 15	1558 17.5	40.81S	175.13E	31	3.3	0.2	22	19
25662	DEC 15	1608 57.0	40.78S	175.09E	33	2.0	0.2	12	8
25663	DEC 15	1609 41.3	40.81S	175.10E	31	2.4	0.2	15	11
25674	DEC 15	1630 30.7	40.79S	175.11E	31	2.6	0.2	15	13
25676	DEC 15	1634 29.1	40.82S	175.09E	30	2.3	0.1	10	7
25690	DEC 15	1713 12.4	40.79S	175.11E	30	2.5	0.2	14	12
25691	DEC 15	1723 1.9	40.82S	175.10E	30	2.0	0.1	12	10
25692	DEC 15	1727 28.4	40.80S	175.09E	33	2.1	0.1	11	8
25694	DEC 15	1730 58.6	40.80S	175.09E	30	2.0	0.1	9	7
25718	DEC 15	1854 56.8	40.81S	175.09E	29	2.1	0.1	11	9
25724	DEC 15	1912 48.9	40.80S	175.11E	28	2.7	0.2	18	16
25732	DEC 15	1938 53.3	40.78S	175.12E	30	2.9	0.2	18	14
25742	DEC 15	2015 41.0	40.82S	175.11E	31	2.2	0.2	11	10
25753	DEC 15	2051 31.8	40.79S	175.12E	29	2.0	0.2	14	10
25817	DEC 16	0153 42.3	40.78S	175.07E	34	2.0	0.2	12	9
25873	DEC 16	0545 38.7	40.58S	174.87E	33	2.1	0.1	10	8
25874	DEC 16	0548 3.5	40.78S	175.14E	27	2.0	0.2	8	6

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
25876	DEC 16	0549 3.7	40.79S	175.12E	31	2.6	0.2	18	14
25883	DEC 16	0604 33.0	40.79S	175.12E	29	2.3	0.2	13	10
25928	DEC 16	0838 16.0	40.75S	175.16E	33	2.0	0.4	7	5
25941	DEC 16	0937 28.8	40.81S	175.11E	30	2.2	0.2	13	11
25997	DEC 16	1307 19.2	40.81S	175.09E	31	2.1	0.1	10	8
26024	DEC 16	1431 44.4	40.81S	175.12E	29	2.8	0.3	22	17
26053	DEC 16	1642 52.4	40.76S	175.07E	35	2.2	0.2	9	7
26090	DEC 16	1856 49.2	40.78S	175.08E	32	2.0	0.2	10	8
26095	DEC 16	1930 32.0	40.84S	174.98E	35	2.0	0.2	9	8
26123	DEC 16	2130 15.2	40.79S	175.07E	34	2.0	0.1	10	8
26137	DEC 16	2304 46.4	40.81S	175.09E	29	2.3	0.1	11	10
26208	DEC 17	0537 47.5	40.79S	175.11E	29	2.5	0.2	18	13
26290	DEC 17	1358 12.0	41.12S	173.66E	71	2.3	0.2	12	10
26372	DEC 18	0055 5.2	40.79S	175.12E	29	2.0	0.2	12	10
26400	DEC 18	0541 17.1	41.56S	174.02E	35	2.7	0.2	19	15
26414	DEC 18	0838 20.4	41.20S	175.18E	17	2.3	0.2	11	9
26422	DEC 18	0933 32.3	41.51S	174.16E	12R	2.9	0.2	19	17
26424	DEC 18	0937 31.5	41.51S	174.19E	5R	2.1	0.3	11	10
26447	DEC 18	1512 36.8	40.81S	175.10E	29	2.1	0.1	11	9
26496	DEC 19	0817 37.0	40.78S	174.63E	67	3.1	0.1	17	15
26499	DEC 19	1140 38.1	41.79S	174.47E	12R	2.2	0.5	13	11
26506	DEC 19	1603 4.8	41.10S	173.51E	97	3.1	0.3	23	17
26507	DEC 19	1613 46.1	41.03S	175.57E	26	3.2	0.2	22	17
26510	DEC 19	1706 26.9	40.80S	175.10E	29	2.8	0.2	18	16
26511	DEC 19	1841 17.6	41.31S	175.68E	19	2.2	0.1	12	8
26512	DEC 19	1903 59.7	41.31S	175.67E	19	2.3	0.2	11	10
26513	DEC 19	1904 34.2	41.31S	175.67E	19	2.5	0.1	12	10
26517	DEC 19	2101 3.2	41.62S	174.64E	31	2.1	0.2	11	9
26519	DEC 19	2139 15.0	41.02S	175.60E	29	3.4	0.2	19	16
26522	DEC 19	2206 28.5	40.77S	175.05E	17	2.2	0.2	13	10
26525	DEC 20	0050 4.7	40.61S	174.02E	64	3.0	0.4	10	9
26532	DEC 20	0651 35.3	41.92S	174.08E	21	3.7	0.4	27	20
26544	DEC 20	1423 3.2	40.51S	174.99E	55	4.6F	0.2	40	34
26547	DEC 20	1533 51.4	41.85S	174.06E	19	2.8	0.3	19	14
26548	DEC 20	1539 0.4	41.83S	174.03E	19	3.0	0.2	17	13
26562	DEC 20	1646 25.4	41.21S	174.84E	47	2.3	0.2	9	7
26565	DEC 20	1658 58.7	40.84S	174.54E	23	3.1	0.2	18	13
26578	DEC 20	1846 31.5	40.83S	175.09E	31	2.7	0.1	11	10
26580	DEC 20	1946 11.8	40.59S	174.40E	80	3.1	0.1	16	13
26588	DEC 20	2350 56.2	40.78S	175.12E	28	2.1	0.2	8	6
26593	DEC 21	0205 9.9	40.81S	175.11E	29	2.3	0.1	11	9
26595	DEC 21	0246 35.5	41.12S	175.25E	24	2.2	0.1	14	9
26596	DEC 21	0326 37.9	41.37S	174.73E	55	3.6	0.2	33	26
26608	DEC 21	0859 51.1	40.76S	175.08E	33	2.5	0.2	11	8
26612	DEC 21	1030 39.6	40.62S	175.45E	32	3.7	0.3	28	26

NUM	DATE	TIME	LAT	LONG	DEP	MAG	Rsd	NP	NS
26647	DEC 22	1040 48.1	41.76S	174.09E	13	2.2	0.3	13	11
26652	DEC 22	1335 45.4	40.85S	174.73E	15	2.7	0.3	19	13
26655	DEC 22	1520 9.1	40.78S	175.14E	31	2.5	0.2	16	12
26657	DEC 22	1632 33.1	40.81S	175.09E	30	2.2	0.1	10	8
26668	DEC 23	0235 58.9	40.95S	175.16E	31	2.0	0.1	7	5
26671	DEC 23	0630 19.3	40.96S	175.01E	5R	3.7F	0.2	24	20
26673	DEC 23	0816 9.3	40.62S	174.31E	57	3.1	0.2	18	13
26674	DEC 23	0832 8.7	40.72S	175.55E	27	2.8	0.3	20	18
26677	DEC 23	0941 38.1	41.63S	175.55E	23	2.2	0.2	11	8
26679	DEC 23	1312 16.2	40.79S	175.11E	30	2.3	0.2	13	10
26681	DEC 23	1320 44.0	41.34S	174.96E	27	2.5	0.2	17	12
26684	DEC 23	1533 21.9	40.92S	173.91E	76	2.1	0.2	6	5
26686	DEC 23	1715 31.1	41.16S	174.74E	31	2.1	0.2	11	9
26691	DEC 23	1935 41.8	40.98S	175.00E	47	2.4	0.1	8	6
26692	DEC 23	2002 7.9	41.32S	175.17E	23	2.1	0.1	12	10
26696	DEC 23	2200 59.8	41.10S	174.67E	55	2.2	0.1	9	6
26698	DEC 23	2349 29.9	41.56S	174.42E	20	2.1	0.1	11	9
26705	DEC 24	0321 26.4	41.94S	174.02E	21	3.0	0.3	21	16
26710	DEC 24	0522 12.5	40.60S	174.22E	97	2.8	0.2	11	8
26727	DEC 24	1317 54.6	40.81S	175.09E	30	2.4	0.1	11	9
26738	DEC 24	1912 38.8	41.33S	174.38E	11	2.4	0.2	11	10
26746	DEC 24	2258 59.8	40.97S	174.59E	63	2.2	0.1	10	7
26760	DEC 25	0501 17.0	41.59S	174.33E	27	2.9	0.2	26	18
26761	DEC 25	0502 58.9	41.58S	174.32E	23	2.4	0.1	15	13
26764	DEC 25	0626 6.8	41.43S	174.43E	32	2.6	0.2	16	13
26769	DEC 25	1034 50.6	40.66S	175.72E	27	2.3	0.1	12	9
26779	DEC 25	1640 34.5	41.49S	174.10E	34	2.4	0.1	12	10
26792	DEC 26	0209 3.8	41.00S	174.54E	54	2.4	0.1	8	5
26812	DEC 26	1303 15.8	41.28S	175.28E	29	2.4	0.1	10	8
26819	DEC 26	1626 24.2	40.61S	175.50E	31	2.8	0.1	10	8
26820	DEC 26	1651 29.6	41.18S	174.54E	42	3.5	0.3	23	20
26841	DEC 27	0635 47.8	40.75S	175.08E	31	2.5	0.2	13	8
26846	DEC 27	0941 7.2	40.89S	175.82E	30	2.0	0.2	9	6
26871	DEC 28	0302 25.9	41.04S	174.66E	59	3.3	0.2	28	22
26880	DEC 28	1418 41.5	41.16S	174.36E	58	2.6	0.2	6	4
26902	DEC 28	2135 28.2	41.90S	174.02E	12R	2.6	0.4	9	5
26914	DEC 29	1130 38.1	41.74S	173.74E	33R	3.3	0.3	10	6
26925	DEC 29	1629 22.1	41.65S	174.63E	27	2.6	0.2	8	4
26949	DEC 30	0713 33.9	41.15S	174.49E	45	2.8	0.2	8	6
26950	DEC 30	0945 24.6	40.65S	174.82E	33R	2.5	0.3	8	5
26951	DEC 30	0959 35.6	40.57S	174.84E	12R	2.9	0.4	13	8
26954	DEC 30	1619 23.8	41.16S	175.43E	16	2.6	0.1	12	7
26964	DEC 30	2315 14.8	41.20S	175.06E	18	2.1	0.1	8	6
26967	DEC 31	0017 32.0	41.17S	174.15E	48	2.3	0.1	8	6
26970	DEC 31	0347 32.7	40.54S	174.74E	29	2.4	0.1	8	6
26987	DEC 31	1815 15.4	40.62S	174.63E	12R	2.9	0.2	14	12
26993	DEC 31	2224 13.8	40.74S	175.07E	35	2.1	0.1	6	4

NON-INSTRUMENTAL DATA

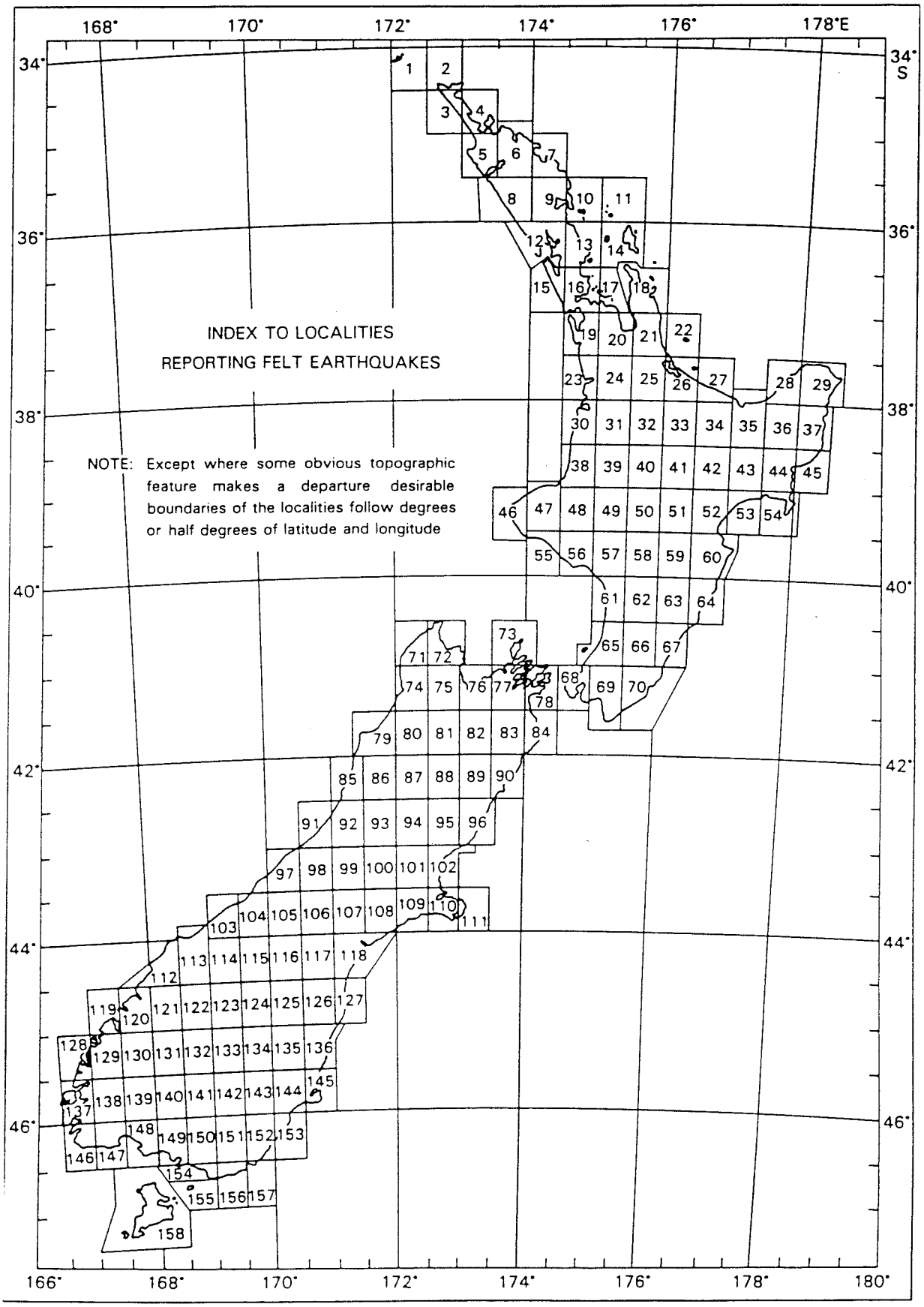
THE FELT REPORTING SYSTEM

The Observatory has recruited a network of about 600 voluntary observers spread throughout the country, who use a standard form to describe the effects of any earthquake they feel. The Observatory also collects casual reports from newspapers, meteorological observers, postmasters and members of the public. For large earthquakes, or ones with features of special interest, questionnaires are issued and assessed.

Several difficulties arise in assessing the distribution of felt intensity. The population of the country is very unevenly spread, and the observers' personal circumstances may prevent them from feeling a shock that has been noticed by others. These problems also affect lists of earthquakes felt in particular localities. It may reasonably be assumed that a strong earthquake reported from one township was felt in another nearby, even though the Observatory has received no report. However, an index of this kind must summarise data and not deductions, so the following scheme is used.

The land area of New Zealand has been divided into 'localities', mostly bounded by half-degree lines of latitude and longitude, but varied as necessary to avoid splitting obvious geographic or structural units (see map overleaf). Each locality has a number and a name, usually that of the principal population centre within it. The names are listed overleaf. In most localities there are at least two well-separated reporters, but there are still some sparsely populated parts of the country without observers, notably in Southland. Felt information is summarised in information lines following the instrumental data in the main list of earthquakes. Modified Mercalli intensities quoted there have been assessed by the Observatory from replies to standard questionnaires. Assessments based on less formal descriptions of intensity are included in the following list, in which the localities which have reported shocks during the year are presented in alphabetical order, each followed by the reference numbers of the shocks felt and their respective maximum reported intensities within that locality. By comparing the reports from neighbouring localities, it is possible to form a truer estimate of the incidence of the felt effects than would be possible from a simple list of places reporting each shock.

A further list records reports received from places in the south-west Pacific.



Standard Reporting Localities.

STANDARD REPORTING LOCALITIES

1	Three Kings	41	Taupo	81	Glenhope	121	Glenorchy
2	Te Reinga	42	Te Whaiti	82	Wairau	122	Arrowtown
3	Ninety Mile Beach	43	Tuai	83	Awatere	123	Wanaka
4	Doubtless Bay	44	Whakapunaki	84	Cape Campbell	124	St Bathans
5	Kaitaia	45	Gisborne	85	Greymouth	125	Kurow
6	Kaikohe	46	Cape Egmont	86	Reefton	126	Duntroon
7	Bay of Islands	47	New Plymouth	87	Maruia	127	Waimate
8	Dargaville	48	Whangamomona	88	Hanmer	128	Secretary Is.
9	Whangarei	49	Ohakune	89	Clarence	129	Doubtful Sound
10	Bream Head	50	Chateau	90	Kaikoura	130	Te Anau
11	Moko Hinau	51	Kaweka	91	Hokitika	131	Livingstone Mts
12	Kaipara	52	Napier	92	Kumara	132	Kingston
13	Warkworth	53	Wairoa	93	Arthur's Pass	133	Alexandra
14	Barrier Islands	54	Mahia	94	Lake Sumner	134	Poolburn
15	Helensville	55	Hawera	95	Culverden	135	Ranfurly
16	Auckland	56	Waverley	96	Cheviot	136	Oamaru
17	Waiheke	57	Wanganui	97	Franz Josef	137	Resolution Island
18	Coromandel	58	Taihape	98	Hari Hari	138	Pillans Pass
19	Pukekohe	59	Ruahine	99	Whitcombe Pass	139	Monowai
20	Mercer	60	Hastings	100	Lake Coleridge	140	Mossburn
21	Thames	61	Bulls	101	Oxford	141	Waikaia
22	Mayor Is.	62	Palmerston North	102	Rangiora	142	Roxburgh
23	Raglan	63	Dannevirke	103	Haast	143	Lawrence
24	Hamilton	64	Porangahau	104	Bruce Bay	144	Outram
25	Matamata	65	Otaki	105	Mount Cook	145	Dunedin
26	Tauranga	66	Masterton	106	Tekapo	146	Puysegur Point
27	Whakatane	67	Castlepoint	107	Mount Somers	147	Poteretere
28	Te Kaha	68	Wellington	108	Ashburton	148	Tuatapere
29	East Cape	69	Featherston	109	Rakaia	149	Invercargill
30	Kawhia	70	Martinborough	110	Christchurch	150	Gore
31	Te Kuiti	71	Mount Stevens	111	Akaroa	151	Clinton
32	Tokoroa	72	Takaka	112	Big Bay	152	Balclutha
33	Rotorua	73	D'Urville Island	113	Jackson's Bay	153	Waihola
34	Murupara	74	Karamea	114	Makarora	154	Bluff
35	Opotiki	75	Motueka	115	Lake Ohau	155	Ruapuke
36	Motu	76	Nelson	116	Pukaki	156	Tahakopa
37	Tolaga Bay	77	Blenheim	117	Fairlie	157	Owaka
38	Mokau	78	Picton	118	Timaru	158	Stewart Is.
39	Taumarunui	79	Westport	119	George Sound	159	Chatham Islands
40	Tokaanu	80	Murchison	120	Milford		

EARTHQUAKES FELT IN STANDARD LOCALITIES

Localities within which earthquakes were felt are listed in alphabetical order, each preceded by its number on the reference map. Each set of numbers, separated by commas, following the name of the locality consits of an earthquake reference number followed by the maximum intensity (in brackets) reported within the district covered by the locality name. An asterisk (*) indicates that the particular intensity was not evaluated from the standard questionnaire. The location of the earthquake, the instrumental magnitude and the actual places at which it was reported felt may be found from the table Summary of Origins and Magnitudes.

16 Auckland 4741 (4*), 25541 (4*).

21 Thames 4741 (4*).

25 Matamata 534 (5), 539 (4), 6337 (4), 6338 (4*), 6339 (4*).

26 Tauranga 3987 (4*), 6337 (4*).

27 Whakatane 398 (4), 25541 (4*).

28 Te Kaha 20921 (3), 25538 (4*), 25541 (4), 25554 (4*), 25688 (3), 25709 (3),
25710 (3), 26381 (4), 26385 (4*), 26392 (4*), 26718 (4).

29 East Cape 3987 (4).

32 Tokoroa 534 (4), 539 (4).

33 Rotorua 931 (3), 1331 (4), 2784 (4), 3987 (4), 18410 (3), 22133 (4).

35 Opotiki 3987 (5), 4322 (3), 20921 (3), 25541 (5), 25562 (4), 26718 (4).

36 Motu 25541 (4*), 25688 (4*), 26718 (4*).

39 Taumarunui 3987 (3), 16986 (3), 17693 (3), 22309 (4).

40 Tokaanu 3987 (4), 9045 (4), 17693 (4), 21433 (4), 21900 (3), 25318 (4*),
25319 (6), 25322 (3*), 25323 (3*), 25328 (4*), 25332 (3*), 25355 (3*),
25365 (4*), 25389 (3*).

41 Taupo 25319 (4*).

44 Whakapunaki 20921 (3), 21236 (4), 25541 (4).

45 Gisborne 3987 (4*), 4552 (4*), 20921 (4*), 21236 (4*), 24405 (4*).

46 Cape Egmont 1731 (4*).

47 New Plymouth 3673 (4*), 6394 (4*), 22309 (4).

49 Ohakune 5341 (3), 22309 (4), 25628 (4).

50 Chateau 658 (4*).

52 Napier 3817 (4), 5341 (2), 20921 (4), 21563 (3), 22075 (4), 23640 (4).

56 Waverley 20681 (4*).

57 Wanganui 1524 (4), 1731 (4), 3817 (4), 22309 (4), 22623 (4*), 24102 (4),
26504 (4), 26544 (4*).

58 Taihape 2495 (4), 3817 (4), 3987 (4).

60	Hastings	3465	(4*),	5124	(3),	5182	(4*),	5798	(4*),	5969	(4*),	6188	(4*),	16489	(4*),	20921	(3),	22075	(4*),	23844	(4*).
61	Bulls	1731	(3),	6394	(1),	20921	(3),	22309	(3),	22356	(4),	25628	(4),	26544	(4).						
62	Palmerston North	1731	(4*),	2495	(4),	3817	(4),	5341	(4*),	21146	(3),	22309	(4),	25628	(4),	26544	(4*).				
63	Dannevirke	2495	(4*),	3465	(4*),	4390	(4*),	19557	(4*).												
65	Otaki	1731	(4),	2495	(3),	2816	(4),	3340	(4),	3738	(4),	3817	(4),	3835	(4),	3987	(4),	4363	(4),	5470	(4),
		6246	(3),	19988	(3),	23439	(4*),	25628	(4),	26544	(4),	26671	(4).								
66	Masterton	2816	(4*),	5341	(4*),	21146	(4*),	25628	(4*),	26544	(4*).										
67	Castlepoint	3486	(4),	4879	(3),	5544	(4),	17443	(4)	17507	(4),	17861	(4),	17880	(4),	17926	(4).				
68	Wellington	579	(4),	1731	(4),	2495	(4),	2816	(4),	3257	(4),	3738	(4),	3808	(3),	5470	(4),	5834	(4*),	6361	(3),
		6394	(4),	7859	(4*),	9701	(4*),	20921	(4),	22288	(3),	22309	(4*),	22740	(3),	23439	(4),	23440	(4),	23891	(4*),
		24347	(3),	25541	(4*),	25628	(4),	26544	(4*).												
69	Featherston	1731	(4),	2816	(4),	5470	(2),	6246	(4*),	22288	(5),	23439	(5),	25628	(4*).						
70	Martinborough	2495	(4).																		
72	Takaka	2433	(4*),	6394	(4*).																
75	Motueka	7859	(4*).																		
76	Nelson	1731	(4),	2495	(4*),	3987	(4*),	6030	(4*),	9701	(4*),	20137	(4*),								
77	Blenheim	1731	(4),	2495	(4),	5664	(4*),	6394	(4).												
78	Picton	2816	(2),	5470	(4),	23891	(4).														
79	Westport	6394	(5),	6724	(4),	6725	(4*),	7859	(4),	10064	(4),	17796	(4).								
83	Awatere	20896	(4*),	20902	(4*),	20938	(4*),	20977	(4*),	20978	(4*),	20988	(4*).								
84	Cape Campbell	2472	(4),	18415	(4*),	20896	(4*),	20898	(4*),	20902	(4*),	20938	(4*),	20945	(4*),	20977	(4*),	20978	(4*),	20988	(4*),
		21391	(4),	21398	(4*).																
85	Greymouth	5176	(3),	6394	(5),	6412	(4*),	6588	(4*),	6723	(4*),	6724	(4*),	7172	(4*),	7859	(4*),	8220	(4*),	9701	(4*),
		10064	(4*),	17796	(3),	19179	(4*),	21225	(4*),	24795	(4*).										
87	Maruia	6394	(5),	7859	(4),	9701	(4),	10064	(3).												
90	Kaikoura	1884	(5),	2225	(4*).																
92	Kumara	6394	(5),	6724	(4),	7859	(4),	9701	(3),	10064	(4),	15062	(4),	17796	(4),	19179	(4).				

93	Arthur's Pass	5839	(4),	6394	(7),	7859	(4*),	18954	(4),	19959	(3*),	20005	(4),
		20199	(4),	20223	(4),	20738	(4*),	21092	(4),	21225	(4),	21722	(4),
		22811	(4),	23627	(4),	24795	(4).						
94	Lake Sumner	12038	(4*).										
96	Cheviot	1884	(4*),	6394	(4*),	18647	(4).						
97	Franz Josef	6394	(4*),	7859	(4),	10064	(3),	17038	(3),	20005	(4).		
99	Whitcombe Pass	7859	(6).										
100	Lake Coleridge	5176	(5),	5571	(4),	5813	(5),	6394	(6),	7859	(4),	7918	(4),
		9701	(4),	10064	(4),	16929	(4*),	17038	(4),	18532	(3),	19505	(4*),
		19521	(4),	21225	(5),	21248	(4).						
102	Rangiora	6394	(5),	7859	(4),	9701	(4).						
103	Haast	6394	(4*).										
104	Bruce Bay	6394	(4),	7859	(4),	7873	(3),	9701	(4).				
105	Mount Cook	6394	(4),	7859	(4),	9701	(3).						
106	Tekapo	4443	(5),	5176	(4),	10064	(4),	16656	(3),	18532	(4),	18647	(4),
		21225	(4),	24741	(4),	25128	(3).						
108	Ashburton	5176	(4*),	21225	(4*).								
109	Rakaia	6394	(4*),	9701	(4*).								
110	Christchurch	1731	(4*),	2495	(4*),	5176	(4*),	6394	(4),	6412	(4*),	6723	(4*),
		6724	(4*),	7135	(4*),	7859	(4*),	8220	(4*),	9701	(4*),	10064	(4*),
		17038	(4*),	19521	(4*),	20005	(4*).						
113	Jackson's Bay	3318	(4),	3867	(4).								
115	Lake Ohau	6394	(4).										
118	Timaru	3309	(5*),	6394	(5),	7859	(4*),	24741	(4*).				
120	Milford	24145	(4*).										
121	Glenorchy	6394	(4),	13218	(4),	24145	(4).						
126	Duntroon	6394	(4).										
130	Te Anau	6080	(4),	6394	(4*),	7859	(4*),	23422	(4),	24286	(4),	26644	(4).
132	Kingston	3867	(4*),	24145	(4*).								
133	Alexandra	5669	(4),	6394	(4).								
135	Ranfurly	6394	(4*).										
136	Oamaru	6394	(4*).										
138	Pillans Pass	6080	(3).										
139	Monowai	6080	(4).										

141	Waikaia	23623	(3).						
144	Outram	5109	(3),	6394	(4),	18097	(3).		
145	Dunedin	5109	(4*),	6394	(4),	7699	(3),	7859	(4).
149	Invercargill	6394	(4*),	23623	(4*).				
152	Balclutha	6394	(4).						
153	Waihola	5109	(4*).						
156	Tahakopa	90	(4),	154	(3).				

FELT REPORTS FROM OUTSIDE NEW ZEALAND

The Observatory sometimes receives reports of earthquakes felt on islands of the south-west Pacific and other places beyond the limits of its systematic reporting network. Where Modified Mercalli scale intensities in the list below are shown in quotes, they have been estimated by the reporters, not the Observatory.

DATE	TIME	INTENSITY	PLACE
Jan 03	14h 48m	MM 4	Raoul Island
Jan 03	15h 15m	'felt'	Raoul Island
Jan 26	19h 17m	MM 4	Raoul Island
Jan 30	20h 57m	'MM 4'	Raoul Island
Apr 03	09h 04m	'felt'	Raoul Island
May 19	17h 53m	MM 4	Raoul Island
May 21	18h 34m	MM 4	Raoul Island
Jun 03	02h 22m	'felt'	Raoul Island
Jun 20	09h 45m	'felt'	Raoul Island
Jul 18	02h 24m	'felt'	Raoul Island
Jul 18	18h 21m	'felt'	Raoul Island
Jul 18	21h 55m	'felt'	Raoul Island
Jul 28	23h 50m	'MM 2'	Raoul Island
Aug 05	04h 58m	'MM 2'	Raoul Island
Aug 11	09h 24m	'MM 2'	Raoul Island
Sep 05	08h 17m	'MM 2'	Raoul Island
Oct 04	11h 09m	MM 3	Raoul Island
Oct 10	05h 25m	MM 4	Raoul Island
Nov 11	10h 16m	MM 4	Raoul Island
Nov 18	23h 03m	MM 4	Raoul Island
Nov 30	12h 25m	MM 6	Raoul Island
Dec 25	11h 45m	MM 4	Raoul Island
Dec 27	14h 25m	MM 4	Raoul Island

PUBLICATIONS BY STAFF MEMBERS

The following papers by members of the Seismological Observatory staff were published in 1994.

Anderson, H.; Beanland, S.; Blick, G.; Darby, D.; Downes, G.; Haines, J.; Jackson, J.; Robinson, R.; Webb, T. The 1968 May 23 Inangahua, New Zealand, earthquake : an integrated geological, geodetic, and seismological source model. *New Zealand journal of geology and geophysics. 37(1): p. 59-86.*

The 1968 Inangahua, New Zealand, earthquake occurred in the West Coast Basin and Range Province, northwest of the main plate boundary zone in northern South Island. At M_s 7.4, it is not the largest known earthquake in the province, but it has been the subject of thorough seismological, geological, and geodetic documentation. Reinterpretation of past observations and more recent data, in the light of new structural and tectonic theories, has produced a new source model for the earthquake. The data suggest that at least 4 m of reverse slip occurred on a fault plane dipping 45° to the northwest beneath the northern part of the Grey-Inangahua Depression, an area previously inferred to be on the footwall of major reverse faults bounding the ranges on either side of the depression. The seismogenic fault may have propagated north and south across older geological structures in recent times. Faulting within basement is occurring on pre-existing faults and is accommodating some of the compressional component of oblique relative motion across the plate boundary in northern South Island. Discontinuous coseismic fault ruptures are mainly interpreted as secondary features formed in response to widespread shortening within the sedimentary cover (flexural slip folding) imparted by the deeper primary faulting. Ongoing uplift across a late Quaternary fault trace at Manuka Flat possibly represents postseismic slip over the upper part or northern end of the 1968 rupture plane. Although the Inangahua earthquake source mechanism is consistent with the regional late Quaternary tectonic pattern, the regional rate of seismicity is high (perhaps representing clustering) in comparison with average fault slip rates and recurrence intervals in the province.

Anderson, H.; Webb, T. New Zealand seismicity : patterns revealed by the upgraded National Seismograph Network. *New Zealand journal of geology and geophysics. 37(4) p. 477-493.*

The upgrade of the New Zealand National Seismograph Network in the late 1980s has enabled more accurate earthquake locations to be determined. The catalogue data for events occurring from January 1990 until the end of February 1993 show some new patterns that have not been identified in previous observation periods, and also confirm the persistence of some phenomena observed previously, such as the aseismic corridor through the Nelson region. The deep seismicity data show spatial patterns remarkably similar to those for higher magnitude events recognised by Reyners in 1989. The Hikurangi Benioff zone is marked by intense seismic activity at depths between 150 and 200 km beneath the Central Volcanic Region; it has a sharp discontinuity beneath northwest Nelson and it extends as far southwest as Westport. The Fiordland Benioff zone is distinctly more seismically active in its northern block, and activity is noticeably concentrated in a zone to the west of Lake Te Anau. Shallow earthquakes (depth <15 km) for the period 1990 to February 1993 outline the active eastern boundary of the Central Volcanic Region and an east - west band running from Mt Ruapehu to Mt Taranaki. Earthquakes in this latter group also extend to deep crustal levels and they, and some recently recognised faults in this area, are probably related to a crustal discontinuity in this region. The Cape Egmont Fault Zone has been particularly active during this observation period. In the South Island, the 1990 Tennyson earthquake appears to have triggered activity along the Awatere Fault. The Alpine Fault is seismically quiet in the section from Harihari to Jackson Bay. A band of earthquakes lying to the east of the fault north of Harihari may represent activity associated with the Alpine Fault at depth although this cannot be confirmed by existing data. At the southern end of the Alpine Fault, two subparallel lineaments appear to form the boundaries of the western end of the Otago Range and Basin Province, but they are not associated with any known tectonic feature. In the Wellington region, the earthquakes shallower than 15 km are concentrated in the area between the Wellington and Wairarapa Faults. A group of earthquakes near Carterton possibly represents the interaction between two fault systems of different trends in that area. A very sharp northeast - southwest trending boundary between the very active shallow seismicity of the Wanganui Basin and the aseismic Marlborough Sounds is probably linked to subduction. Earthquakes in the Benioff zone underlying the Wellington region show a gap beneath the Wairarapa Basin.

Anderson, H.J. Seismotectonics of the Southern Alps. *Geophysical symposium on Origin of the Southern Alps : Programme & abstracts, 22-23 August 1994, Victoria University of Wellington.*

Anderson, H.J.; Eberhart-Phillips, D. Seismotectonics of the southern Alps, New Zealand. *Eos. 75 (44:supplement)*: p. 669.

Beanland, S.; Haines, J.; Darby, D.; Anderson, H.; Blick, G.; Downes, G.; Jackson, J.; Robinson, R.; Webb, T. The 1968 May 23 Inangahua, New Zealand, earthquake : an integrated geological, geodetic, and seismological source model - Reply. *New Zealand journal of geology and geophysics. 37(4)*: p. 500-501.

Benites, R.; Haines, A.J. Effects of near surface geology on strong ground motion : a review of the advances on numerical modelling in New Zealand. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Benites, R.; Aki, K. Ground motion at mountains and sedimentary basins with vertical seismic velocity gradient. *Geophysical journal international. 116(1)*: p. 95-118.

The boundary integral-Gaussian beam method (Benites & Aki 1989) is applied to study the ground motion in 2-D structures that exhibit irregular topography and interface, and whose shear wave velocity varies linearly with depth, for incident plane SH waves. In our first example of application the model is a half-space whose free-surface topography is a ridge of cosine shape, with vertical shear wave velocity gradient. In the second, the model is a semi-cylindrical sedimentary basin in a homogeneous half-space, in which the shear wave velocity of the sediments increases with depth. Our results for the case of the mountain show that the amplification on its top, predicted by the 2-D modelling when the velocity is constant, is enhanced when the velocity gradient is present, for all frequencies and by a factor up to 3. In the case of the basin, results show that the velocity gradient; (1) enhances the amplification at the edges of the valley, (2) makes the reverberations due to 2-D resonance have larger amplitudes and shorter intervals between arrivals, (3) shortens the total duration of the seismograms at all stations within the basin.

Benites, R.; Yomogida, K.; Haines, J. Multiple scattering of seismic waves in media with wavelength- scale heterogeneities. International Association of Seismology and Physics of the Earth's Interior. *27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Benites, R.A. Developments in numerical modelling of seismic wave propagation for microzonation problems. *Abstracts, 9th Conference on earthquake engineering, September 1994, San Jose, Costa Rica:* 1.

Chadwick, M.; Reyners, M. Structure along the East Coast of the North Island, New Zealand : results from the Hikurangi argin Refraction Experiment. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Chiu, J.M.; Reyners, M.; Ansell, J. A High-resolution, large-scale, seismic array experiment along Hikurangi subduction zone in New Zealand. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Chiu, J.M.; Liaw, Z.S.; Liu, F.T.; Reyners, M.E.; Gubbins, D.; Stuart, G. A joint multi-national seismic array experiment along the Hikurangi subduction zone in New Zealand. *Seismological research letters. 65(3/4)*: p. 214.

Chiu, J.M.; Liaw, Z.S.; Liu, F.T.; Reyners, M.; Gubbins, D.; Stuart, G. Seismic array experiment along the Hikurangi subduction zone in New Zealand. *Eos. 75(44:supplement)*: p. 670.

Denham, D.; Smith, W.D. Seismic hazard reduction in the south west Pacific region. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Downes, G.L. Note : Exceptionally deep earthquakes in the northern South Island, New Zealand. *New Zealand journal of geology and geophysics. 37(1)*: p. 127-130.

The intermediate depth seismicity of the northern part of the South Island has been found in the past to extend to a maximum depth of about 230 km. On 1990 Jun 22, an event occurred which was routinely located at a depth of 348 km in this region. Subsequently, a data search revealed another event in 1988 of similar depth and location, less well determined but acceptable. Both events have a magnitude M_L=3.4-3.5. In the future, consideration of the deep structure in this region should take into account the possible extension of seismicity to greater depths.

Eberhart-Phillips, D.; Anderson, H.J. Examination of seismicity in the central Alpine Fault region from the NZ network and a temporary broadband array. *Geophysical symposium on Origin of the Southern Alps : Programme & abstracts, 22-23 August 1994, Victoria University of Wellington*: p. 25.

Eberhart-Phillips, D.; Michael, A.J. Three-dimensional P-velocity, Vp/Vs, and seismicity in the Loma Prieta region, California. *International Association of Seismology and Physics of the Earth's Interior (IASPEI). 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Gledhill, K.R.; Gubbins, D. Anisotropy in the mantle beneath the Hikurangi Subduction zone, New Zealand. *JAG Newsletter. 5*: p. 3.

Gledhill, K.R.; Gubbins, D. Seismic anisotropy of the Hikirangi [sic.] subduction zone, New Zealand. *Abstracts / 6th International workshop on seismic anisotropy, Trondheim, Norway, July 3-8, 1994*: 1.

Gledhill, K.R.; Gubbins, D. Seismic anisotropy of the mantle beneath the Hikurangi subduction zone, New Zealand. *Program & abstracts / 2nd International workshop on the dynamics of the subcontinental mantle : from seismic anisotropy to mountain building, Montpellier-La Grande Motte, 7-9th June 1994*: 1.

Gubbins, D.; Gledhill, K. Splitting of ScS and anisotropy at the Hikurangi Margin. *Eos. 75(44:supplement)*: p. 671.

Haines, A.J.; Stephenson, W.R.; Jiashun, Y. The Alfredton soft-soil-site basin-response experiments : peak velocities. *Conference technical papers : New Zealand National Society for Earthquake Engineering technical conference and AGM, Wairakei Hotel, Taupo, 18-20 March 1994*: p. 200-205.

Portable seismographs were deployed at 21 sites in and around a 500 m x 500 m sedimentary depression at Alfredton, northern Wairarapa, followed by extensive geotechnical investigations. During the 5 week long deployment 112 small and moderate sized earthquakes were recorded, including 15 events magnitude 2.5 or larger recorded by at least 12 of the 19 instruments used. For most events there was modest amplification of the seismic waves in the soft soil depression to give peak velocities at most 3-4 times as large as the peak velocities at surrounding basement sites, while for some events close to being directly below the test site the amplification was uniformly higher for the north-south component of ground motion, with the maximum magnification of peak velocity exceeding 5 in this component.

Haines, A.J.; Holt, W.E.; Jackson, J.A. Obtaining the complete horizontal motions within zones of distributed deformation from inversion of strain rate data : new procedure based on splines. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Haines, J.; Benites, R.; De Hoop, M. New Zealand developments in numerical modelling of seismic wave propagation in highly heterogeneous media. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Holt, W.E.; Haines, A.J. The kinematics of northern South Island, New Zealand determined from geologic strain rates. *Geophysical symposium on Origin of the Southern Alps : Programme & abstracts, 22-23 August 1994, Victoria University of Wellington*: p. 19.

Holt, W.E.; Li, M.; Haines, A.J. Strain rates and instantaneous relative motions within central and east Asia. *Eos. 75(44:Supplement)*: p. 632.

Holt, W.E.; Haines, A.J. The Kinematics of northern South Island, New Zealand, from the inversion of strain rates in the quaternary. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Holt, W.E.; Haines, A.J.; Nothard, S.; Jackson, J. Slab distortion, strain rates, and the instantaneous velocity field in Tonga from earthquake moment tensor information. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Jackson, J.; Haines, A.J.; Holt, W. A comparison of satellite laser ranging and seismicity data in the Aegean region. *Geophysical research letters. 21(25)*: p. 2849-2852.

In this study we compare the strain rates obtained from earthquake moment tensors in the time interval 1911-92 in Greece with measured velocities of SLR stations relative to Eurasia. We find that the SLR measurements do not require strain different in orientation from that seen in the earthquakes, but simply more of it. The clearest deficit is in the SE Aegean where earthquakes this century can account virtually none of the measured SLR strain rates. By contrast, in the northern Aegean and NW Turkey the earthquakes can account for a substantial part (>50%) of the measured strain rates. By using both geodetic and seismic data to localize apparent deficits in seismically-released strain, this study represents a first step towards using space-based geodesy for crude regional seismic risk assessment.

Jackson, J.; Haines, A.J.; Holt, W.E. Velocity fields and seismic strain rates in Iran. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Latter, J.H.; Benites, R.A. Volcanic and near-vent volcano-tectonic earthquakes at Ruapehu volcano, NZ : a review of 20 years of seismicity, 1971-1990 : and digital analysis and modelling of magma- and gas-filled cavities within the mountain. *International Association of Seismology and Physics of the Earth's Interior (IASPEI). 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Maunder, D.E. (ed.). New Zealand seismological report 1992. 168 p. *Institute of Geological & Nuclear Sciences science report ; 94/47.*

The pattern of earthquakes in New Zealand during 1992 was a little unusual, in that the latter half of the year was very quiet. There were 12 events of M_L 5.0 and greater, at depths of 40 km or less, but only three of these were in the July-December period, the largest only 5.3. In contrast, the nine shallow shocks in the first half of the year included one of M_L 6.1 and five others of M_L 5.5 or greater. The deeper shocks were more spread throughout the year: five in the first half and eight in the second half.

Maxwell, S.C.; Young, R.P.; Eberhart-Phillips, D. Relationship between velocity and source parameters of natural and induced seismicity. *Eos. 75 (44:supplement)*: p. 473.

Nothard, S.J.; McKenzie, D.; Haines, A.J.; Jackson, J.A.; Holt, W.E. Deformation of the Tonga subducting slab. *Eos. 75(44:Supplement)*: p. 449.

Reyners, M.; Robinson, R. Seismicity and structure of the Fiordland subduction zone, New Zealand. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Roberts, P.M.; Benites, R.A.; Fehler, M.; Thurber, C.; Steck, L.; Lutter, W.; Stafford, D.; Zeichert, T. Teleseismic waveform anomalies observed during the passive 1993 Jemez Tomography Experiment. *Seismological research letters. 65(1)*: p. 16.

Robinson, R.; Reyners, M. The 18 June 1994 Arthur's Pass earthquake : a preliminary aftershock study. *Geophysical symposium on Origin of the Southern Alps : Programme & abstracts, 22-23 August 1994, Victoria University of Wellington*: p. 26.

Robinson, R. Radon observations at Wellington : history and correction for environmental factors: 21 p. *Institute of Geological & Nuclear Sciences science report ; 94/40.*

The radon content of air in a 60 m deep well at Wellington has been monitored since 1982. The purpose was to investigate radon variations as precursors to earthquakes. A variety of instruments has been used and there are several significant data gaps. Relative sensitivity of the instruments has been determined by comparing their sensitivity to changes in atmospheric pressure. Normalised data, for the entire period of observation, has been corrected for environmental changes using a combination of linear regression and neural-network techniques.

Robinson, R. Shallow subduction tectonics and fault interaction : the Weber, New Zealand, earthquake sequence of 1990 - 1992. *Journal of geophysical research. 99(B5)*: p. 9663-9679.

A series of four large earthquakes with epicenters very close to one another occurred in 1990-1992 in the Weber region of the southeast coast of the North Island, New Zealand. The region is one of oblique plate convergence and subduction, the plate interface being at about 20 km depth. The first event, February 19, 1990, M_L 6.1, M_W 6.2, occurred within the upper part of the subducting Pacific plate on a steeply northwest dipping normal fault, as defined by relocated aftershocks. The mechanism of this event reflects downdip tension within the subducting plate due to "slab pull" forces, as is common in New Zealand. The second event, May 13, 1990 M_L 6.2, M_W 6.4, occurred on an imbricate fault in the overlying Australian plate, dipping shallowly northwest, with components of both thrusting and dextral strike-slip motion. The slip vector is similar to the direction of plate convergence, showing no arc-normal rotation as observed for subduction thrust events in other areas of oblique convergence. It is unlikely that the spatial and temporal closeness of these events is coincidence (a similar pair occurred to the south in 1942), but the coupling mechanism is not clear, perhaps being related to aseismic slip downdip on the subduction interface. Two subsequent events, both of M_L 5.5, occurred on August 15, 1990, and March 2, 1992, and extended the aftershock zone of the deeper first main shock to the northeast, matching the extent of the shallower second main shock. Mechanisms of aftershocks of the two larger events are quite variable but as a whole are similar to the relevant mainshock. The time history of the aftershocks of the first (deeper) event shows a period of quiescence beginning 35 days before the second (shallow) event; the mean magnitude of those events that did occur was high. This observation cannot be explained by station biases, weather, or changes in analysis methods and may be due to stress changes induced by precursory aseismic slip which would discourage aftershock occurrence.

Smith, W.D. Attenuation of seismic intensities in the vicinity of a subduction zone. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Smith, W.D. Principal earthquakes in New Zealand in 1993. *Bulletin of the New Zealand National Society for Earthquake Engineering. 27(1)*: p. 1.

Smith, W.D. Resolving temporal changes in b-value. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Smith, W.D. Seismology and nuclear disarmament. *New Zealand science monthly. 4(11)*: p. 5.

In February, the Ad Hoc Group of Scientific Experts to Consider International Cooperative Measures to Detect and Identify Seismic Events meets in Geneva to advise the Conference on Disarmament on how a nuclear test ban might be monitored. The group meets twice yearly and, although New Zealand is not an official member of the conference, we participate in the group's scientific discussions.

Van Dissen, R.; Cousins, J.; Robinson, R.; Reyners, M. The Fiordland earthquake of 10 August, 1993 : a reconnaissance report covering tectonic setting, peak ground acceleration, and landslide damage. *Bulletin of the New Zealand National Society for Earthquake Engineering. 27(2)*: p. 147-154.

On 10 August, 1993, a M_L 6.7 (M_S 7.1, M_W 7.0) earthquake occurred c. 10 km offshore of western Fiordland, New Zealand (45.2° S, 166.7° E). Its hypocentre is approximately 20 km deep which places it on, or close to, the interface between the subducted Australian plate and the overriding Pacific plate. The focal mechanism for the mainshock indicates reverse faulting on either a steep west-dipping, or shallow southeast-dipping plane. Analysis of a subset of the over 7,000 recorded aftershocks defines a shallow (c. 15°) southeast-dipping plane, roughly 25 km long and 15 km wide, that probably represents the rupture surface of the mainshock. The earthquake was strongly felt by fishermen offshore in the epicentral region. Onshore, there were no reports of damage to man-made structures. the maximum peak ground acceleration recorded was 0.08 g at Te Anau, about 73 km from the epicentre. The attenuation of peak horizontal ground acceleration for this event is similar to the attenuation of other shallow crustal earthquakes in New Zealand. The number of landslides triggered by this event is at least an order-of-magnitude less than the number of pre-existing landslide scars. The highest concentration of new slides appears to be in the Vancouver Arm/Hall Arm region, c. 45 km south-southeast from the epicentre. Many of the new slides were narrow, shallow seated failures, or small reactivated portions of older slides. The two largest earthquake-triggered landslides observed are located near Hall Arm, and in the Freeman Burn north of Lake Manapouri. Except perhaps for these two slides, all other observed earthquake-triggered slides will be indistinguishable from storm-generated slides once re-vegetated.

Webb, T.H. Anderson, H.J. Seismotectonics of the Hikurangi Margin and North Island, New Zealand. *Eos. 75(44:supplement)*: p. 670.

Webb, T.H. Spatial clustering and stress drops of foreshocks of the February 1990 Tennyson and Weber, New Zealand, earthquakes. *Bulletin of the Seismological Society of America. 84(6)*: p. 1739-1753.

The ability to distinguish foreshocks from background seismicity is very important in short-term earthquake prediction. To that end we have looked at spatial clustering (using waveform cross-correlation) and stress drops of foreshocks of two New Zealand earthquake sequences that occurred in 1990. The Tennyson sequence, located in a continental margin-type strike-slip environment, consisted of a group of foreshocks, an M_L=5.8 mainshock, and many aftershocks. A cross-correlation analysis showed five spatially close clusters of activity prior to the mainshock. Two were event pairs located within the final aftershock zone, two were clusters of four events, each located outside the aftershock zone, and the fifth was a cluster of eight immediate foreshocks located within the aftershock zone. An analysis of two nearby control regions showed that pairs of identical events were not uncommon, but larger clusters were. Stress drops of three events in the 12 days before the mainshock, obtained by deconvolving small events as empirical Green's functions, were lower than for earlier preshocks and aftershocks. Source time functions derived from the Green's function deconvolution indicated that a unilateral rupture model was more appropriate than a circular source model. Cross-correlation values from the M_L =5.9 Weber sequence also showed spatial clustering, but this was well removed from the mainshock in space and time. A control area also showed similar clustering, suggesting that it is a normal feature of the seismicity at a convergent margin. The Weber foreshocks, only four in all, were not highly correlated. For both sequences, foreshocks did not correlate with the aftershocks, indicating that they occurred in a region of complete coseismic stress relief. A stress drop of 1650 bars was obtained for a 44-km-deep event that occurred within the upper part of the subducting Pacific Plate, nearby, but not related to the Tennyson sequence.

Webb, T.H. Spatial clustering of seismicity prior to six New Zealand mainshocks. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Woodward, D.J.; Haines, A.J. Seismograms for stratified, anisotropic, porous media using eigenvector decomposition for vectors in the vertical wavenumber domain. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Yomogida, K.; Benites, R. Relationship between direct wave attenuation and coda Q: a numerical approach. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

Yu, J.; Ansell, J.H.; Haines, A.J. Envelope analysis of the amplitude response of a surface layer to plane SH waves. *International Association of Seismology and Physics of the Earth's Interior. 27th General Assembly, Wellington, New Zealand, 1994, January 10-21 : abstracts.*

OBSERVATORY SERVICES

PUBLICATIONS

The New Zealand seismological reports are a continuing series of E-bulletins published in the science report series from the Institute of Geological and Nuclear Sciences. They contain summaries of the data used for each origin determination, lists of origins, felt intensity data, and brief accounts of the principal earthquakes of the year. They also provide details of the instruments used to record earthquakes and descriptions of Observatory practices.

Copies of this material may be purchased from:

Publications Sales
Institute of Geological and Nuclear Sciences
PO Box 30-368
Lower Hutt
New Zealand.

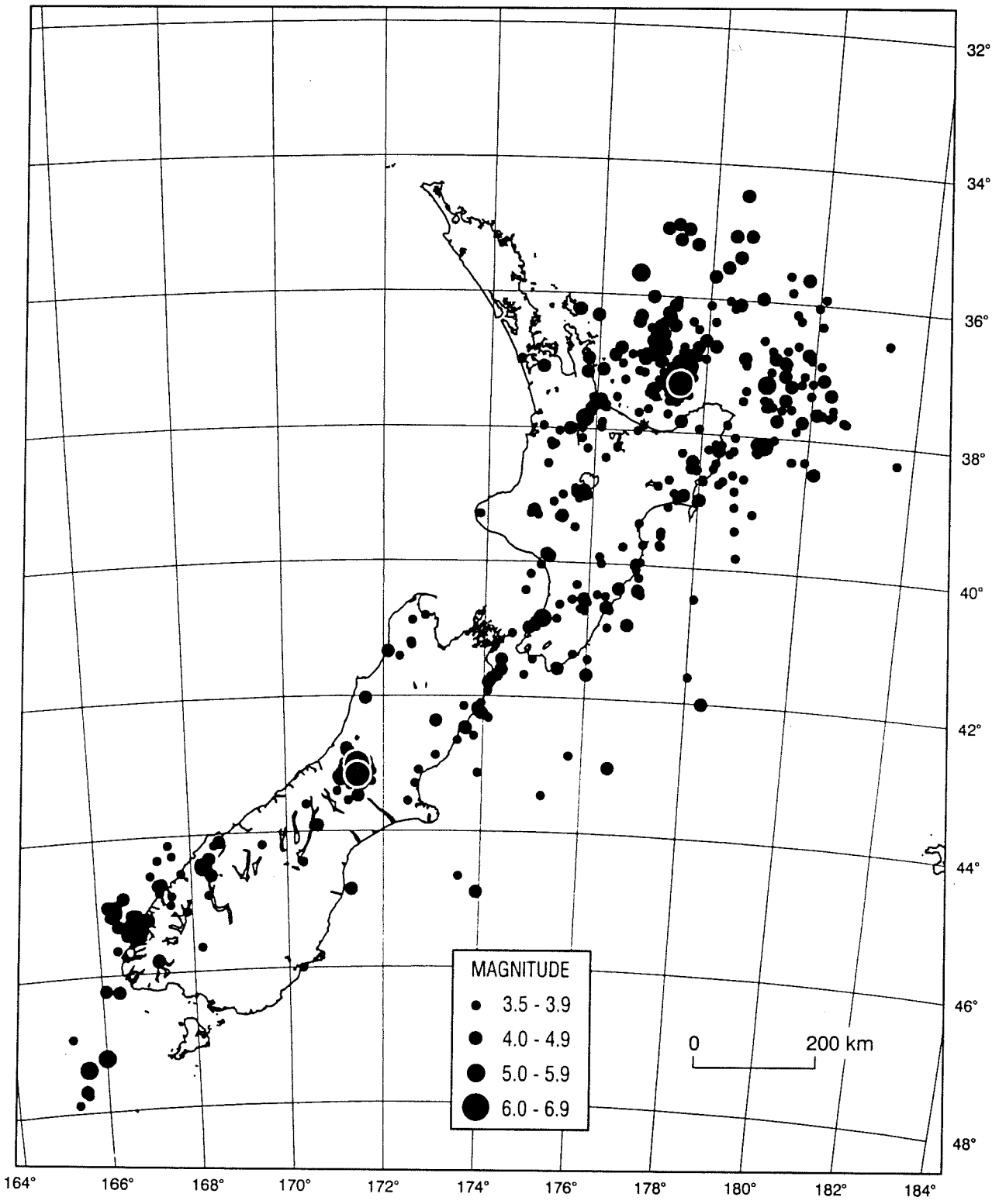
EARTHQUAKE CATALOGUE

The Observatory has a master file of some tens of thousands of earthquake origins and associated information stored on magnetic tape. From this, lists of earthquakes within particular geographical areas of New Zealand, or in categories defined in other ways, can be made available to researchers. Full details have been published elsewhere (W.D. Smith, 1976: A Computer File of New Zealand Earthquakes. *Bulletin of the New Zealand National Society for Earthquake Engineering. 9(2)*: p.136-13; *New Zealand journal of geology and geophysics, 19(3)*: p.393-394). Criteria that may be specified are dates, magnitudes, focal depths, intensities and regions bounded in a number of different ways. It is also possible to search for earthquakes likely to have produced intensities above a specified minimum at a particular place and to list reports of above a given minimum intensity that have originated in a chosen reporting locality. Because of the dangers inherent in the use of incompletely assessed data, it is recommended that users should discuss their search criteria with the Observatory.

Waveforms of earthquakes recorded by digital seismographs are also archived and accessible for further processing by CUSP or other compatible software.

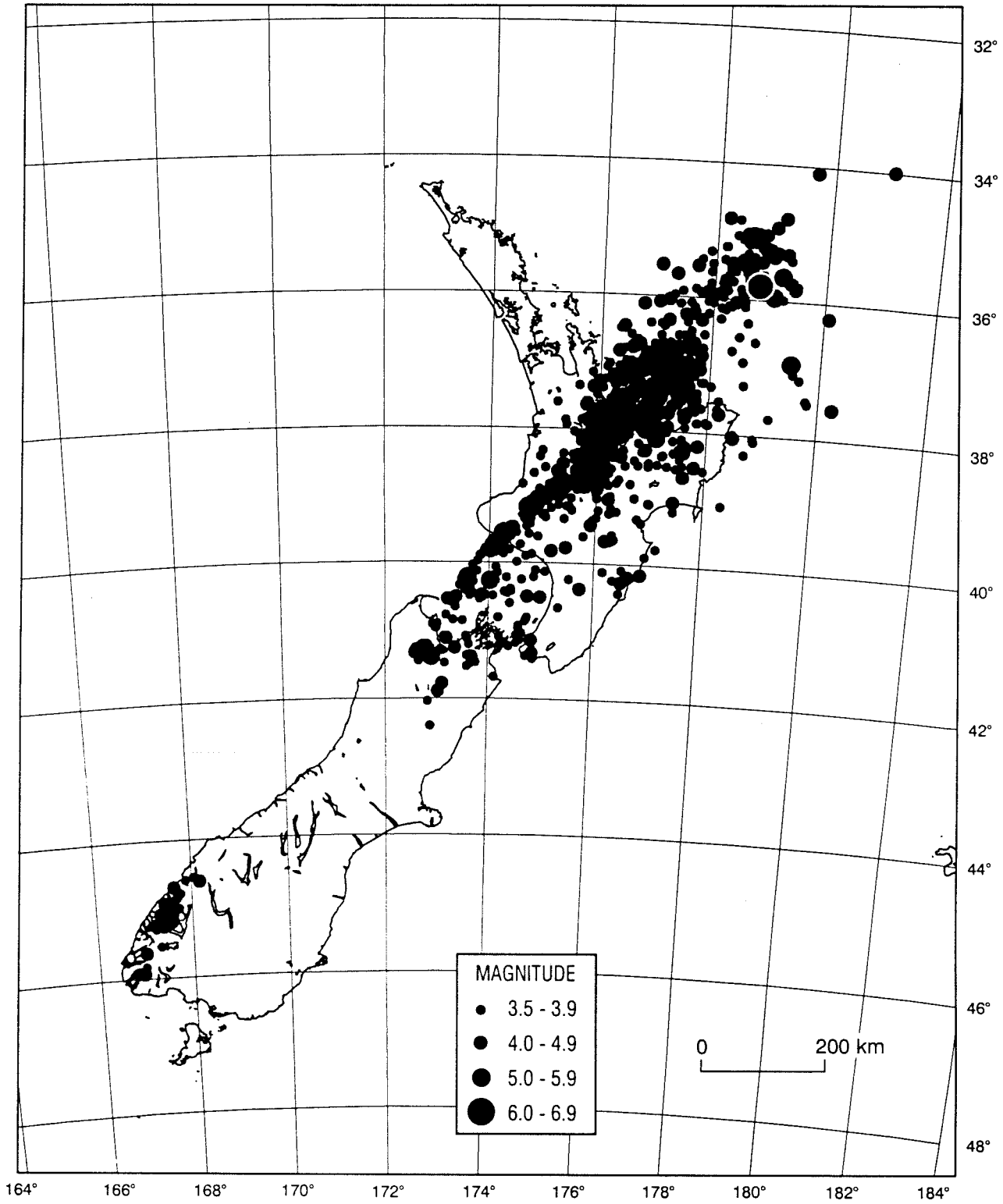
EPICENTRE MAPS 1994

REGIONAL SHALLOW EARTHQUAKES



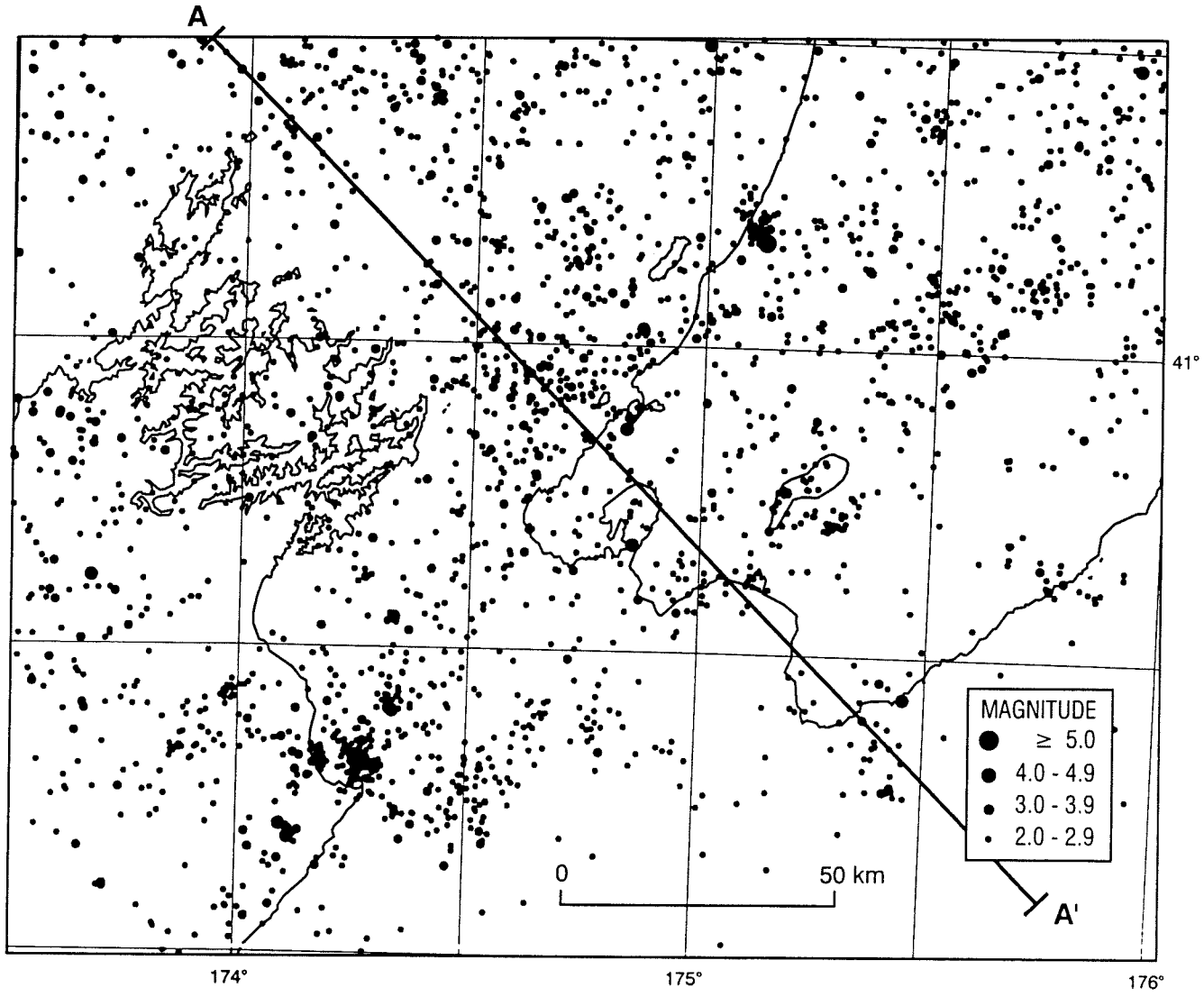
Epicentres of all earthquakes of $M_L \geq 3.5$ with focal depths less than 40 km. When several shocks have the same epicentre, the largest is shown.

REGIONAL DEEP EARTHQUAKES



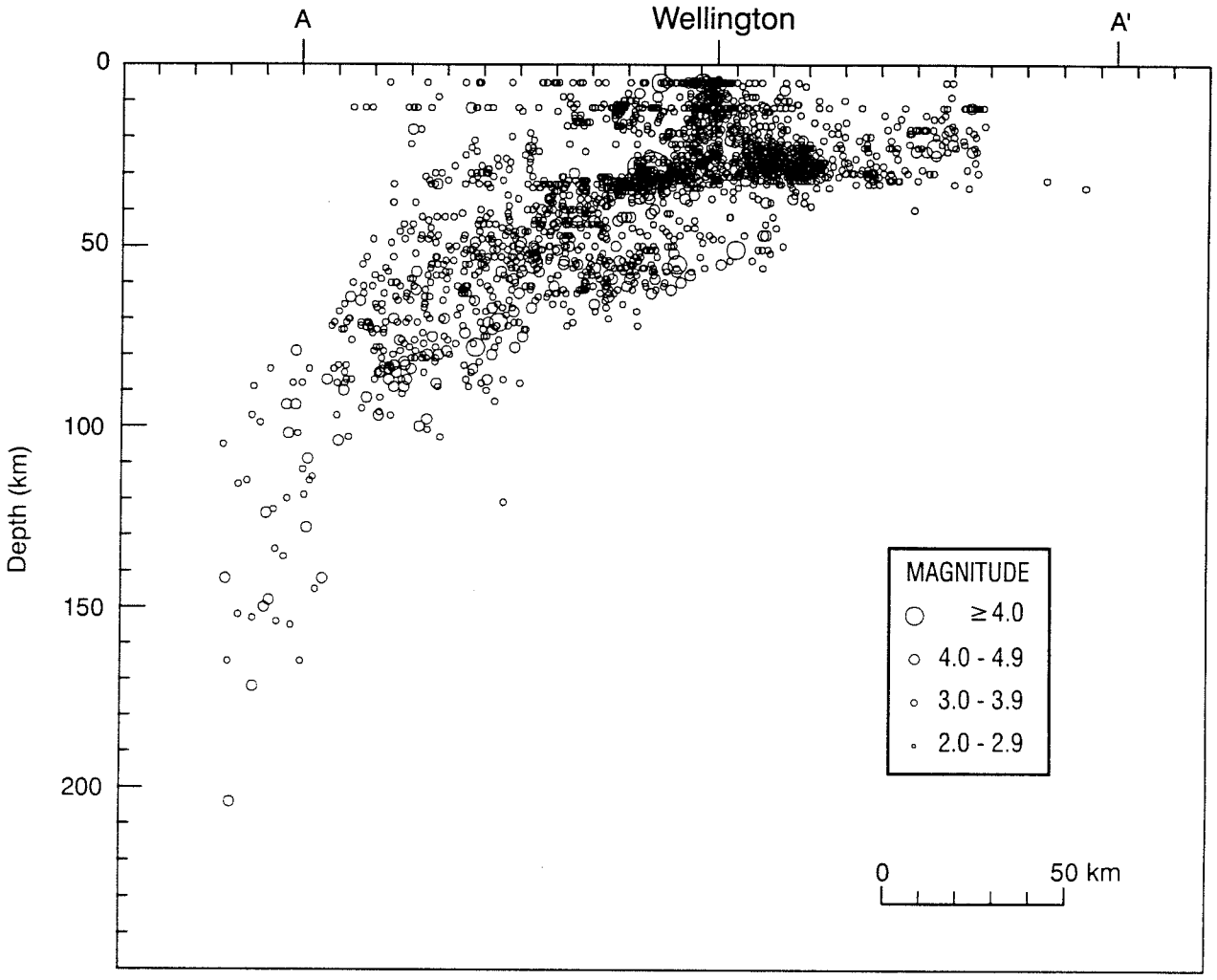
Epicentres of all earthquakes of $M_L \geq 3.5$ with focal depths of 40 km or more. When several shocks have the same epicentre, the largest is shown.

WELLINGTON AREA EPICENTRES



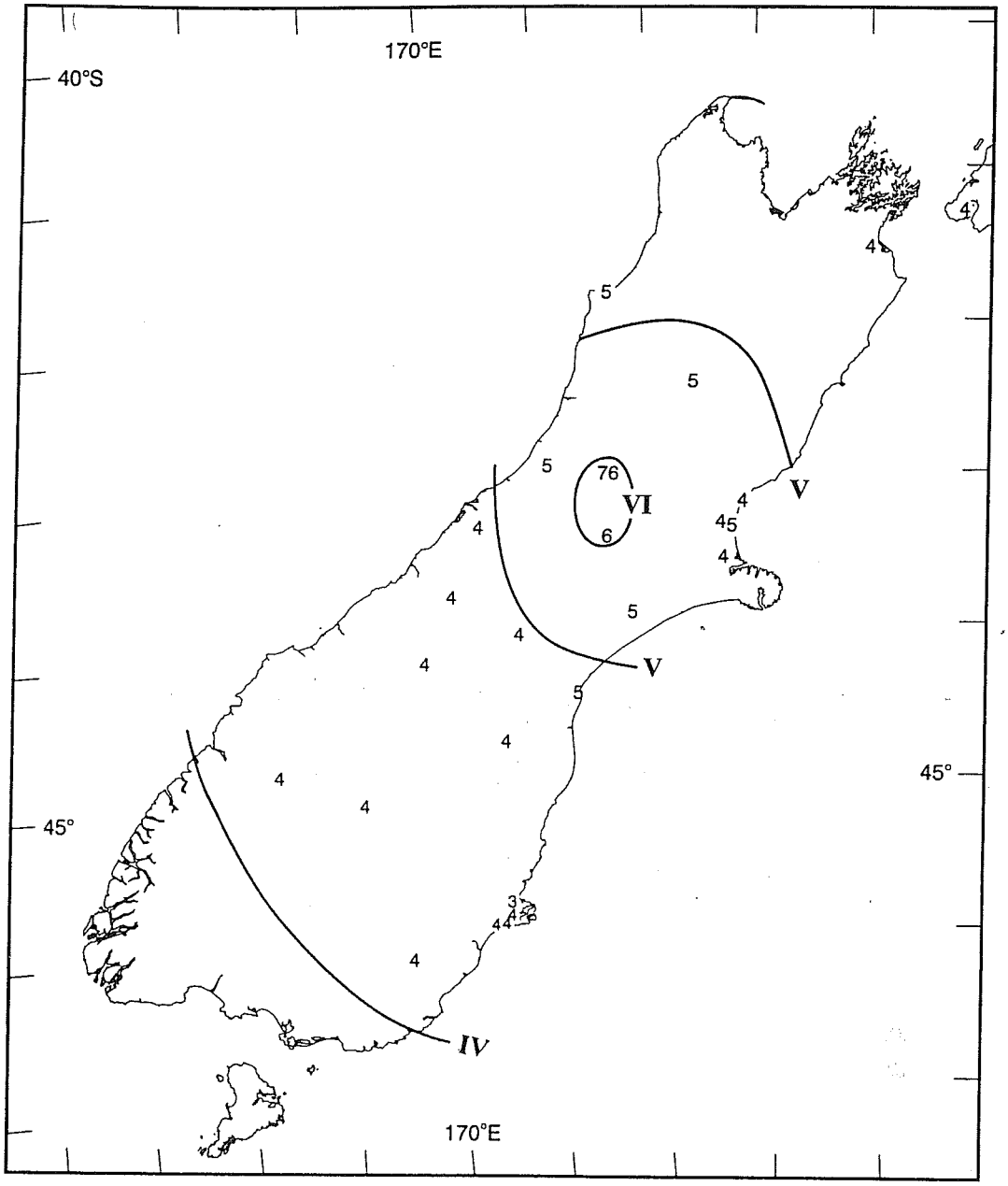
Epicentres of all earthquakes of M_L ≥2.0 in the Wellington area. The distribution of these earthquakes in depth is shown on the next page, where the hypocentres have been projected onto a vertical plane passing through the line A-A'.

WELLINGTON HYPOCENTRE DEPTHS



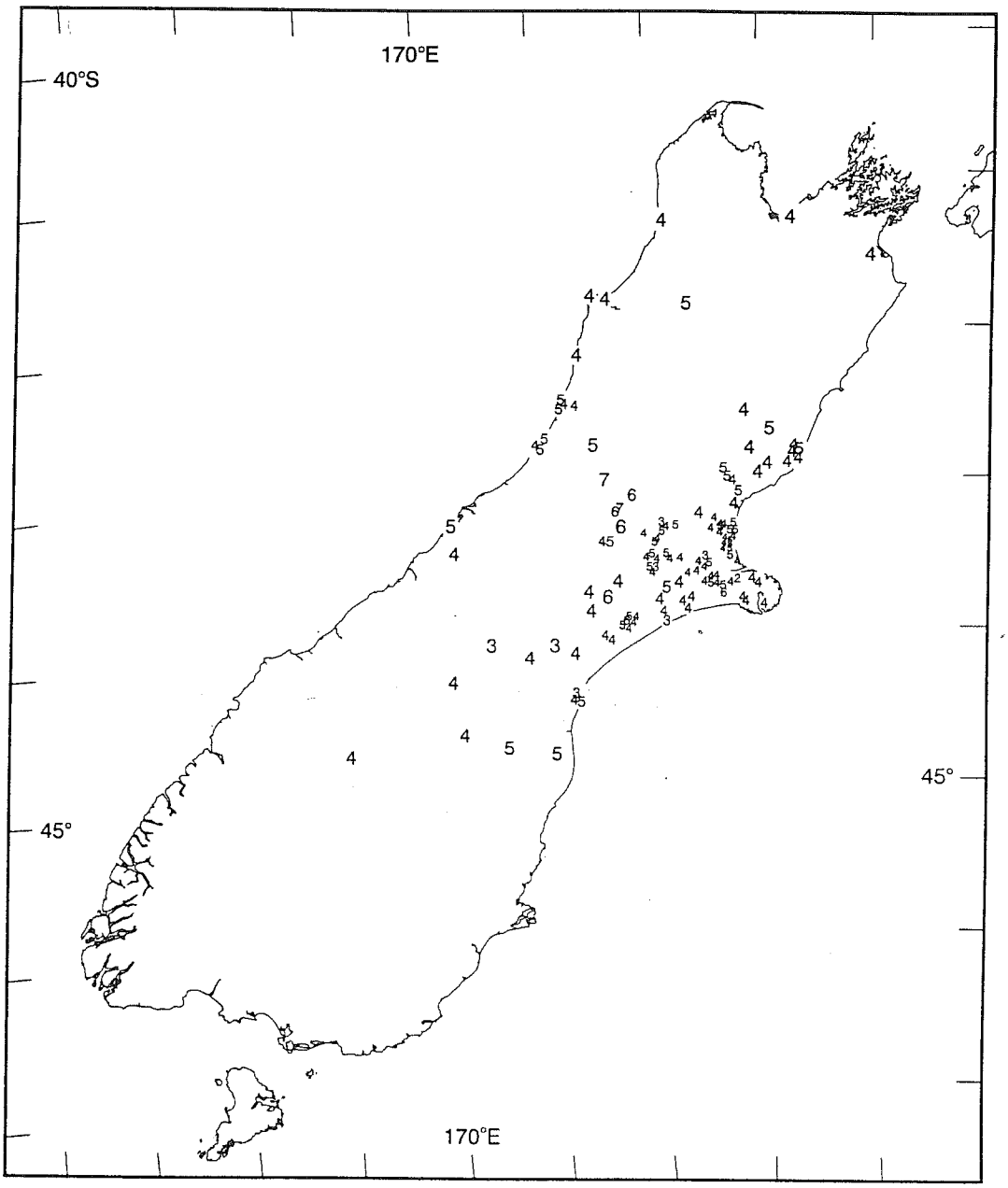
In this diagram, the hypocentres of all shocks mapped on the previous page have been projected onto a vertical plane passing through the line A-A', which is roughly normal to the Pacific/Australian plate boundary.

ISOSEISMALS OF ARTHUR'S PASS EARTHQUAKE



Modified Mercalli intensities for the 1994 Arthur's Pass earthquake (94/6394). The data is derived from reports from the 'felt' reporter network.

ARTHUR'S PASS EARTHQUAKE INTENSITIES



Intensities for the 1994 Arthur's Pass earthquake (94/6394) derived from reports from the survey published by the Christchurch Press. Obviously inaccurate data was discarded, but the accuracy of the remaining data is undeterminable.