

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	1	2	TQV	iP	03	37	22.5	0.3	0.05	0.04	0.02	240	03	36	48.8	2.1				3.2	
2	1	3	TQV	iS	12	41	39.5	0.5	0.2	0.2	0.2	170	12	40	46.8	2.0				3.5	
3	1	5	TQV	iPn	09	41	31.7	0.7	0.03	0.03	0.01	210	09	41	04.8	3.0				4.0	
				iPg			34.6	0.7	0.07	0.20	0.09										
				iSn			53.4	0.6	0.07	0.10	0.08										
				iSg			58.5	0.6	0.60	0.60	0.40										
			BCV	iPg	09	41	53.5	0.4	0.01	0.01	0.01	240									
				iSg			23.0	0.6		0.04	0.04										
4	1	5	BCV	ePg	16	18	04.9	0.8		0.01	0.01	110	16	17	44.8	2.0				4.0	
5	1	5	TQV	iSg	22	50	18.6	0.8	0.07	0.03	0.04	290	22	49	10.5	6.2				3.9	
				ePn			02.5	0.2		0.02	0.02										
				iPg			12.0	0.2		0.10	0.07										
				iSg			47.5	0.3		0.10	0.07										
			BCV	ePg	22	50	33.3	0.9		0.04	0.03	400									
6	1	7	TQV	iSg	00	36	23.9	0.9	0.03	0.04	0.03	350	00	36	31.3	2.9				4.3	
7	1	7	TQV	ePn	10	30	57.0	0.8	0.07	0.04	0.04	190	10	29	41.6	1.9				3.4	
				eSg			14.5	0.8		0.04	0.04										
				iPn			01.6	0.3	0.06	0.09	0.09										
8	1	2	BCV	iPg	20	04	03.6	0.7	0.20	0.20	0.20	200	20	03	55.5	2.4	21.4	103.4		4.1	h = 10 km
				iSg			18.6	0.4	0.04	0.06	0.05										
				ePn			25.9	0.4	1.00	5.00	5.00										
				iPg			26.9	0.3	0.03	0.09	0.07										
				eSn			45.5	0.4	0.04	0.06	0.05										
				iPg			50.0	0.4	1.00	5.00	5.00										
				ePn			30.8	0.4		0.20	0.20	220									
				iPg			35.3	0.6	0.03	0.02	0.02										
				iSn			53.7	0.6	0.03	0.02	0.02										
				eSg			03.7	0.7	0.20	0.20	0.10										
				iPg			47.5	0.7		0.20	0.10	275									
				eSn			10.5	0.6		0.03	0.03										
				iSg			21.5	0.6	0.03	0.03	0.03										
9	1	27	HEV	ePg	20	01	23.4	0.5	0.02	0.02	0.01	180	20	00	51.3	2.2				2.8	
10	1	27	BCV	iSg	23	15	45.2	0.5	0.02	0.02	0.01	520	23	13	48.1		20.73	111.15		6.3	h = 20 km
				iPn			09.9	0.5		0.02	0.01										
				iPg			29.1	1.0		1.0	0.6										
				eSn			01.5	0.4		0.6	0.6										
				eSg			30.6	0.5		0.6	0.6										
				iPn			21.0	0.5		1.0	0.6										
				iPg			45.4	0.6		0.6	0.6										
				iSg			00.4	0.4		0.4	0.6										
			TQV	iPn			27.0	0.4		0.4	0.6										
				iPg			53.0	0.5		1.0	1.4										
				iSm			29.0	0.6		1.7	1.5										
				iSg			06.5	0.6		1.7	1.2										
11	1	29	HEV	eSg	20	45	05.0	0.9	0.05	0.06	0.05	540								4.5	
			TQV	ePn	20	45	08.3	0.6	0.07	0.06	0.10										
				iSg			15.0	0.6		0.06	0.10										
12	2	1	TQV	iPn	01	36	12.5	0.5		0.06	0.20	180	01	35	19.2	2.3				4.3	
				iPg			14.5	0.5		0.20	0.10										
				iSn			29.0	0.5		0.10	0.80										
				iSg			34.5	0.7	1.20	0.80	0.80										
				iPn			33.5	0.7	0.01	0.01	0.01										
				iPg			38.5	0.8	0.04	0.04	0.04										
				eSn			45.0	0.8	0.03	0.03	0.03										
				eSg			05.0	0.8	0.03	0.03	0.03										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
13	2	12	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	09	03	08.4 26.2 53.2 26.9 44.3 00.8 48.3 59.3 56.3 33.1 50.5 19.4 58.6 21.6 38.7 21.0 29.2 06.5 42.5 51.2 32.5 44.5 32.5 34.0 38.5 14.3 55.5 39.0	0.3 0.5 0.5 0.8 1.0 1.2	0.01 0.01 0.01 0.04 0.05 0.20	0.01 0.01 0.03	0.02 0.02 0.04	480	09	02	25.2	3.1					4.3		
14	2	12	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	20	48 49	00.8 48.3 59.3 56.3 33.1 50.5 19.4 58.6 21.6 38.7 21.0 29.2 06.5 42.5 51.2 32.5 44.5 32.5 34.0 38.5 14.3 55.5 39.0	0.8 1.0 1.2	0.04 0.05 0.20	0.03 0.02	470	20	47	18.2	5.4						4.5		
15	2	21	EGV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	03	15	0.9 1.0	0.03 0.02	0.02 0.03	140	03	14	56.5	2.7							2.7		
16	2	26	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	23	21	21.0 29.2 06.5 42.5 51.2 32.5 44.5 32.5 34.0 38.5 14.3 55.5 39.0	1.0	0.03 0.02	0.03 0.03	300	23	20	40.7	2.8		21.1	102.7			3.5		
17	2	27	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	21	36 37	34.0 38.5 14.3 55.5 39.0		0.04 0.05	0.01 0.05	200	23	34	41.8	5.6						2.9		
18	3	1	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	23	35	18.5 43.5 36.0 08.0 50.5 59.0 33.5 53.7 19.0 05.1 33.6 15.6 51.9 16.5 27.4 59.2 22.5 30.0 04.0 47.0 59.5 27.5 43.0 56.1 04.0 40.6 06.0 51.5	0.3 0.3	0.02 0.20 0.10 0.09 0.04 0.03	0.04 0.05	260	23	52	08.3	3.9							5.3	
19	3	5	EGV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	23	52	50.5 59.0 33.5 53.7 19.0 05.1 33.6 15.6 51.9 16.5 27.4 59.2 22.5 30.0 04.0 47.0 59.5 27.5 43.0 56.1 04.0 40.6 06.0 51.5	0.4 0.4 0.6 0.8	0.02 0.20 0.10 0.04 0.03	0.04 0.20 0.09 0.04 0.03	205	05	01	29.0	3.7		21.4	103.2				3.7	
20	3	9	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	05	03 03	05.1 33.6 15.6 51.9 16.5 27.4 59.2 22.5 30.0 04.0 47.0 59.5 27.5 43.0 56.1 04.0 40.6 06.0 51.5	0.4 0.4 0.6 0.8	0.02 0.20 0.10 0.04 0.03	0.04 0.20 0.09 0.04 0.03	230	05	57	40.7	4.3						3.4		
21	3	10	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	19	58	04.0 47.0 59.5 27.5 43.0 56.1 04.0 40.6 06.0 51.5	0.5	0.03 0.03	0.03 0.03	260	19	57	40.7	4.3						4.6		
22	3	11	TQV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	00	36 37	47.0 59.5 27.5 43.0 56.1 04.0 40.6 06.0 51.5	0.4 0.4 0.6 0.8	0.03 0.03 0.30 0.02 0.10	0.05 0.04 0.30 0.04 0.20	370	00	35	22.0			21.9	108.9			4.6		
			FLV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	00	36	47.0 59.5 27.5 43.0 56.1 04.0 40.6 06.0 51.5	0.4 0.5	0.03 0.10	0.04 0.20	280												
			NDV	ePn iPg iSn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg ePn eSg iPn iPg iSn iSg	00	37	06.0 51.5	0.4 0.7	0.03 0.10	0.02 0.20	370												

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
23	3	13	BGV	ipn ipg iss ipn ipg isk ipn ipg isa iss	09  08  08	43 45 43 45 43 44	04.5 37.5 04.5 09.0 29.5 08.2 15.8 53.7 03.0 34.8	1.0	0.20	0.20	0.20	740 780 816	08	42	07.9					6.0		
24	3	14	TQV	oPg iss ePg oPg iss oPg iss	18 18 18 17	23 24 24 24 22	50.9 15.1 06.2 36.2 07.0 38 06.1	0.5	0.07	0.04	0.04	200 250 255 190	18 17	23 21	15.3 32.1	3.7				3.2		
25	3	16	TQV	oPg iss oPg iss	17 17	22 22	29.2 12.5 42.0	0.4	0.04	0.05	0.03	240 315 440 390	17 21 04	17 13 52	32.1 0.7 08.0	3.4				3.1		
26	3	24	TQV	oPa oPg iss	21 21	13 14 14	42.9 30.9 01.0 54.5	0.7	0.05	0.07		440 390 395	21 04	13 52	0.7 08.0	3.9				3.8		
27	3	25	BGV	oPa oPg iss	04 04	52 53 53	48.5 50.8 03.8	1.0	0.09			390 395	04	52	08.0					4.0		
28	3	25	HEV PLV BGV TQV HEV	oPg iss iss iss iss iss	04 04 04 04 04 04	54 54 55 55 56 56	15.3 30.6 22.6 41.5 11.2 14.9	0.7 1.0 1.0 0.6 0.6	0.10 0.08 0.10 0.10 0.10	0.10 0.10 0.08 0.06	0.08 0.10 0.10	160 200 215							4.8			
29	4	11	HEV	oPg oPg	22 22	10 10	20.1 40.0	0.6		0.02		160 200										
30	4	13	TQV TQV	oPg ipn ipg iss	14 14	36 37	38.2 40.7					200 215										
31	4	13	TQV HEV	oPg oPg	15 15	22 22	22.5 48.5	0.5		0.05		210 190								3.4		
32	4	13	TQV HEV	ipn ipg iss	17 17	14 14	20.7 23.2 46.8	0.5		0.2	0.2	225 215								3.8		
33	4	13	HEV	ipn ipg iss	17 17	14 14	20.7 23.2 46.8	0.5		0.2	0.2	225 215								4.2		



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
34	4	14	TQV	ipn ipg eSg ipg iSg	Sn 21	-Pn 59	21.5 43.3 45.5	0.7 0.7		0.10 0.40	0.10	190	21	59	15.8	3.2	21.5	103.2		3.9		
35	4	15	TQV	eSg ipg iSg ipg iSg	22 13 13	00 10 11	09.5 38.0 14.0	0.7 0.9 0.3 1.0	0.60 1.70	0.30 0.50	0.60 1.60 0.04 0.30	295 380 400	13 01	09 42	58.7 48.8		22.4	101.8		4.4		
36	4	17	TQV	ipn ipg iSg ePn ipg eSn eSg ipn ipg iSg	01 01	43 44	54.0 55.2 11.2	0.8 0.9 1.0	0.06 0.20 0.20	0.09 0.40		450										
37	4	17	TQV	eSn eSg ipn ipg iSg ePn ipg eSn eSg ipn ipg iSg	01 03 03	44 45 37	29.2 05.5 23.3 58.3 23.5 11.8 24.1	0.8				480					22.55	101.7				
38	5	1	BGV	ip iS ePg eSg ePg eSg ePg eSg ePn ipg iSg	01	58 59	56.5 03.5	1.0	1.20	1.20	1.00	440										
39	5	1	HEV	ePg eSg ePg eSg ePg eSg	15 15	08.3 37.8 26.5	1.0	0.05		0.05		240 257	15	50	24.7					3.0		
40	5	2	BGV	ePg eSg ePg eSg ePg eSg	03 03	29.3 36.5 47.3						55 150	03 03	03	08.1	3.0	21.6	106.8		2.9	h = 10 km	
41	5	4	TQV	ipg iSg ePg iSg ipn ipg eSn eSg ePg eSg	17 17	05 06 05	21.6 01.7 26.3 39.3 08.8 27.8 37.9	0.6 0.7 0.5 0.7	0.2	0.06 0.03 0.10	0.06 0.03 0.10	330 400	17 04	04	34.0		22.8	102.4		4.1	h = 10 km	
42	5	8	TQV	ipn ipg iSg ipn ipg iSg	03 03	19 20 19 20	06.8 19.1 03.8 15.9 30.8 25.3	1.0 1.2 0.8 1.0 1.0	0.10 1.60 0.02 0.10 0.50	0.60 2.50 0.05 0.20	0.10 1.00	365 435	03 18		08.2					5.3		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
43	6	7	HBV	ePg eSg	04	09 10	39.9 11.4	0.5	0.05	0.04	0.04	04	08	54.9						3.0		
44	7	11	TQV	iPg iSg iP iS	13 13	40 40	33.5 48.5 39.5	0.2 0.3	0.05 0.10	0.04 0.09	0.04 0.09	120 150	13	39	35.3	3.4	20.9	104.8		2.7	h = 10 km	
45	7	24	TQV	iPg iSg iPn eSg ePn iSg	11 11 04 04	49 49 50 18 19 18 19	58.6 19.0 36.5 48.4 05.9 49.0 08.7 18.9 07.0 30.0 14.5	0.3 0.5 0.6 0.8	0.09 0.05 0.10	0.10	0.10	140 145 160 330 350	11	49	06.7	3.8	22.6	106.4		3.8	h = 10 km	
47	8	17	EGV	iPn iPg iSg iPn iPg eSn iSg iPg iSg ePg eSg iPg iSg ePn ePg eSn eSg ePg iSg ePg iSg	23 23 23 17 17 17 01	48 49 48 49 15 15 16	21.3 31.8 15.3 21.5 29.2 00.0 03.7 38.3 53.8 28.8 49.3 02.5 21.5 11.5 33.5 18.3 49.3 13.3 17.8 33.5 38.0 20.5 48.5 31.4 06.9 08.5 47.0 27.0 59.5 41.5 50.3 49.6 14.0 53.7 21.7 51.7	0.6 0.6 1.0 0.5 0.7 1.0	0.01 0.08 0.40 0.02 0.10 0.10	0.03 0.10 0.30 0.03 0.20 0.20 0.30	0.03 0.10 0.10 0.04 0.70 0.90	350 360 430 155 180 255 170				104.6	24.0					h = 20 km
48	8	22	EGV	iPg iSg ePg eSg iPg iSg	17 17	15 15	0.6 0.7	0.01 0.03	0.50 0.01	0.20 0.02 0.07	155 180											
49	8	24	TQV	ePn ePg eSn eSg ePg iSg ePg iSg	01 01 01	16 16 17	17.8 33.5 38.0 20.5 48.5 31.4 06.9	0.5 0.7 0.7 0.8	0.02 0.07 0.05	0.02 0.08 0.02	230 280						21.5	103.5				
50	9	12	BGV	ePn eSg ePn	07	01	08.5 47.0 27.0	1.0	0.04	0.02	0.08	315										
51	9	15	BGV	iPg iSg iSg iPg iSg	05	49	59.5 41.5 50.3 49.6 14.0	1.0	0.20	0.10	0.30	790										
52	9	15	BGV	iPg iSg iPn iPg iSg	16 16 19	44 46 58 59	49.6 14.0 53.7 21.7	0.9	0.07	0.09	0.04	690										
53	9	17	HBV	iPg iSg	19	59	21.7 51.7	1.5	4.1	4.15	3.2											

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
54	9	22	BGV	ePn iPg iSn iSg ePn iPg iSg ePg iSg ePg iSg	20	16	20.7 48.1 24.8 55.1 51.5 13.0 25.1 08.9 27.3 19.0 44.0 41.7 12.7 24.6 27.4 01.4 44.5 25.0	1.0	0.3	0.2	0.5	550											
55	9	23	BGV	ePn iPg iSg ePg iSg ePg iSg	18	31	08.9 27.3 19.0 44.0 41.7 12.7 24.6 27.4 01.4 44.5 25.0	0.7	0.3	0.2	152					20.2	107.1						
56	9	27	TQV	ePn iPg iSg ePg iSg ePg iSg	01	53	24.6 27.4 01.4 44.5 25.0	0.7	0.04	0.01	0.05	280											
57	10	20	TQV	ePn iPg iSg ePg iSg ePg iSg	16	07	12.8 42.8 22.8 30.3 09.3 33.5 16.0 31.5 40.7 21.0 42.4 25.9 59.5 25.7 15.2 53.0 19.0 0.5	0.8	0.5	1.01	2.0	245	16	06	19.7	22.5	103.05	4.9				h = 20 km	
58	10	21	HBV	ePn iPg iSg ePg iSg ePg iSg	08	48	31.5 40.7 21.0 42.4 25.9 59.5 25.7 15.2 53.0 19.0 0.5	0.9	0.2	0.2	0.4	325	08	47	29.3	22.9	103.15	4.6			h = 20 km		
59	10	29	TQV	ePn iPg iSg ePg iSg ePg iSg	13	51	59.5 25.7 15.2 53.0 19.0 0.5	0.6	0.10	0.10	0.10	350	13	51	09.3	22.7	103.45	3.6				h = 20 km	
60	11	14	HBV	ePg iSg ePn ePg eSg ePg eSg	17	49	40.2 15.7 16.3 28.8 13.3 29.1 54.8 15.0	0.6	0.03	0.03	0.05	200											
61	11	16	HBV	ePg iSg ePn ePg eSg ePg eSg	14	38	16.3 28.8 13.3 29.1 54.8 15.0	0.8	0.55	0.24		380											
62	12	13	TQV	ePn iPg iSg ePg iSg ePg iSg	17	51	18.0 23.0 46.5 55.5 25.3 34.9 13.9 15.5 38.5	1.2	0.11	0.13	0.08	260											
63	12	17	TQV	ePn iPg iSg ePg iSg ePg iSg	03	03	15.5 38.5	0.7	0.08	0.07	0.18	205											

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
				HEV	ePn iPg oSn	03	03	22.9 29.4 56.9					295									
64	12	17	17	HEV	iSg oSg	14	51	04.9 36.6	0.4	0.12	0.15											
65	12	26	26	TQV	iPn iPg iSg iPn	20	51 52 53 52	49.9 10.6 27.6 07.6	0.8	0.40	0.01 0.11	0.08 0.43	530 540									
				BCV	iPg iSn iSg iPn	20	58 28	29.6 58.4 35.1 02.0	0.8	0.50	0.41	0.28	620									
66	12	26	26	TQV	iPn iPn iPn iSg	21	29 28 29	22.5 38.0 21.1 28.9	1.3	0.18	0.22	0.06	770									
				BCV	iSn iSg	21	29	54.9	0.7	0.29	0.32	0.25										
67	12	29	29	TQV	ePg iSg iSg	14	37 38 38	41.2 19.7 55.0	1.4	0.06	0.09	0.07	315									
				HEV		14			0.5													