

LOIS Geogr		Projections of of Tromso L-shell on Earth's surface		LOIS azimuth on proj L-shell	Altitude, km	Distance, km from LOIS	LOIS Elevation angles	
Lat	Long	Lat	Long	degrees	from Tsyg.		from zenith	from Earth's surface
degrees		degrees					degrees	
57	15	68.87	20.18	8.93	220	1383.41	86.95	3.045
57	15	68.08	21.33	11.97	680	1499.68	68.91	21.09
57	15	67.28	22.4	15.363	1180	1762.24	53.61	36.39
57	15	66.47	23.4	19.147	1670	2103.55	42.88	47.12
57	15	65.65	24.34	23.356	2170	2504.56	35.18	54.82
57	15	61.5	28.28	50.845	4900	5045.08	18.42	71.58
57	15	57.27	31.28	81.408	7800	7935.74	15.9	74.1
57	15	52.98	33.66	102.749	10800	10997.8	17.97	72.03
57	15	48.65	35.6	115.282	13800	14109.8	21.58	68.42
57	15	44.29	37.24	122.914	16800	17264.1	25.68	64.32
57	15	39.92	38.64	127.935	19800	20456.8	29.96	60.04
57	15	35.52	39.88	131.478	22600	23486.7	34.35	55.65
57	15	31.12	40.99	134.121	25000	26153.5	38.86	51.14
57	15	26.71	42.01	136.182	27300	28752.7	43.36	46.64
57	15	22.29	42.94	137.85	29200	30984.6	47.92	42.08
57	15	17.87	43.82	139.24	30700	32847	52.52	37.48
57	15	13.44	44.65	140.429	31800	34337.9	57.17	32.83
57	15	9.01	45.46	141.469	32500	35455	61.84	28.16
57	15	0.14	47.02	143.236	32400	36261.3	71.38	18.62