

**APPENDIX K**  
**TI-VPR DATA**

Table K-1. TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-03-17	1	11:25 to 13:00	11:35 to 11:40						NTD
2008-03-17	1		11:40 to 11:45						NTD
2008-03-17	1		11:55 to 12:00						NTD
2008-03-17	1		12:10 to 12:15						NTD
2008-03-17	1		12:25 to 12:30						NTD
2008-03-17	1		12:40 to 12:45						NTD
2008-03-17	1		12:55 to 13:00						NTD
2008-03-17	1	20:36 to 22:11	20:36 to 20:41						NTD
2008-03-17	1		20:56 to 21:01						NTD
2008-03-17	1		21:11 to 21:16						NTD
2008-03-17	1		21:31 to 21:36						NTD
2008-03-17	1		21:46 to 21:51						NTD
2008-03-17	1		22:06 to 22:16						NTD
2008-03-19	1	17:24 to 19:24	17:29 to 17:34						CLOUDS
2008-03-19	1		17:44 to 17:49						CLOUDS
2008-03-19	1		17:59 to 18:04						CLOUDS
2008-03-19	1		18:19 to 18:24						CLOUDS
2008-03-19	1		18:34 to 18:39						CLOUDS
2008-03-19	1		18:44 to 18:49						CLOUDS
2008-03-19	1		19:04 to 19:09						CLOUDS
2008-03-19	1		19:09 to 19:14						CLOUDS
2008-03-24	7	1:35 to 3:35	1:45 to 1:50						NTD
2008-03-24	7		1:50 to 1:55	1:52:46	BD	1	1525	55	
2008-03-24	7		2:10 to 2:15						NTD
2008-03-24	7		2:25 to 2:30						NTD
2008-03-24	7		2:40 to 2:45						NTD
2008-03-24	7		3:00 to 3:05						NTD
2008-03-24	7		3:10 to 3:15						NTD
2008-03-24	7		3:30 to 3:35						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-03-24	7	3:44 to 5:40	3:44 to 3:49						NTD
2008-03-24	7		3:59 to 4:04						NTD
2008-03-24	7		4:19 to 4:24						NTD
2008-03-24	7		4:34 to 4:39						NTD
2008-03-24	7		4:49 to 4:54						NTD
2008-03-24	7		5:04 to 5:09	5:06:34	BD	1	925	60	
2008-03-24	7			5:08:02	BD	1	275	20	
2008-03-24	7		5:14 to 5:19	5:15:41	BD	1	1200	65	
2008-03-24	7			5:16:27	I	1		50	
2008-03-24	7		5:34 to 5:39						NTD
2008-03-26	7	1:57 to 3:57	1:57 to 2:02						NTD
2008-03-26	7		2:17 to 2:22						NTD
2008-03-26	7		2:37 to 2:42						NTD
2008-03-26	7		2:52 to 2:57						NTD
2008-03-26	7		3:02 to 3:07						NTD
2008-03-26	7		3:17 to 3:22						NTD
2008-03-26	7		3:32 to 3:37						NTD
2008-03-26	7		3:42 to 3:47						NTD
2008-03-26	7	4:00 to 6:00	4:00 to 4:05						NTD
2008-03-26	7		4:20 to 4:25						NTD
2008-03-26	7		4:35 to 4:40						NTD
2008-03-26	7		4:50 to 4:55						NTD
2008-03-26	7		5:00 to 5:05						NTD
2008-03-26	7		5:25 to 5:30						NTD
2008-03-26	7		5:30 to 5:35						NTD
2008-03-26	7		5:55 to 6:00						NTD
2008-03-26	7	6:21 to 8:21	6:26 to 6:31						NTD
2008-03-26	7		6:46 to 6:51	6:48:12	BD	1	525	45	
2008-03-26	7		6:56 to 7:01						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-03-26	7		7:16 to 7:21						NTD
2008-03-26	7		7:31 to 7:36						NTD
2008-03-26	7		7:36 to 7:41						NTD
2008-03-26	7		8:01 to 8:06						NTD
2008-03-26	7		8:06 to 8:11						NTD
2008-03-26	7	16:53 to 18:53	16:58 to 17:03						NTD
2008-03-26	7		17:13 to 17:18	17:16:19	BD	1	425	60	
2008-03-26	7		17:33 to 17:38						NTD
2008-03-26	7		17:38 to 17:43	17:42:34	BD	1	300	50	
2008-03-26	7		18:03 to 18:08						NTD
2008-03-26	7		18:08 to 18:13						NTD
2008-03-26	7		18:33 to 18:38						NTD
2008-03-26	7		18:48 to 18:53	18:51:43	BD	1	275	0	
2008-03-26	7	19:05 to 21:05	19:15 to 19:20						NTD
2008-03-26	7		19:20 to 19:25						NTD
2008-03-26	7		19:45 to 19:50						NTD
2008-03-26	7		20:00 to 20:05						NTD
2008-03-26	7		20:15 to 20:20						NTD
2008-03-26	7		20:25 to 20:30						NTD
2008-03-26	7		20:35 to 20:40						NTD
2008-03-26	7		20:50 to 20:55						NTD
2008-04-03	13	21:16 to 23:00	21:16 to 21:21						NTD
2008-04-03	13		21:31 to 21:36						NTD
2008-04-03	13		21:56 to 22:01						NTD
2008-04-03	13		22:11 to 22:16						NTD
2008-04-03	13		22:26 to 22:31						NTD
2008-04-03	13		22:31 to 22:36						NTD
2008-04-03	13		22:46 to 22:51						NTD
2008-04-04	13	15:03 to 17:03	15:13 to 15:18						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-04	13		15:23 to 15:28						NTD
2008-04-04	13		15:33 to 15:38						NTD
2008-04-04	13		15:53 to 15:58						NTD
2008-04-04	13		16:03 to 16:08						NTD
2008-04-04	13		16:23 to 16:28						NTD
2008-04-04	13		16:33 to 16:38						NTD
2008-04-04	13		16:53 to 16:58						NTD
2008-04-04	13	17:07 to 19:07	17:12 to 17:17						NTD
2008-04-04	13		17:32 to 17:37						NTD
2008-04-04	13		17:47 to 17:52						NTD
2008-04-04	13		17:57 to 18:02						NTD
2008-04-04	13		18:17 to 18:22						NTD
2008-04-04	13		18:22 to 18:27						NTD
2008-04-04	13		18:47 to 18:52						NTD
2008-04-04	13		18:57 to 19:02						NTD
2008-04-04	13	23:04 to 1:04	23:04 to 23:09						NTD
2008-04-04	13		23:29 to 23:34						NTD
2008-04-04	13		23:44 to 23:49						NTD
2008-04-04	13		23:49 to 23:54						NTD
2008-04-04	13		00:04 to 00:09						NTD
2008-04-04	13		00:24 to 00:29						NTD
2008-04-04	13		00:39 to 00:44						NTD
2008-04-04	13		00:49 to 00:54						NTD
2008-04-05	13	1:07 to 3:07	1:12 to 1:17						NTD
2008-04-05	13		1:32 to 1:37						NTD
2008-04-05	13		1:37 to 1:42	1:37:00	I	1			LOW
2008-04-05	13		1:52 to 1:57	1:54:23	I	1		350	LOW
2008-04-05	13		2:12 to 2:17						NTD
2008-04-05	13		2:32 to 2:37						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-05	13		2:37 to 2:42						NTD
2008-04-05	13		3:02 to 3:07						NTD
2008-04-06	13	4:04 to 5:19	4:09 to 4:14						NTD
2008-04-06	13		4:24 to 4:29						NTD
2008-04-06	13		4:39 to 4:44						NTD
2008-04-06	13		4:49 to 4:54						NTD
2008-04-06	13		5:09 to 5:14						NTD
2008-04-10	13	12:00 to 14:00	12:10 to 12:15						NTD
2008-04-10	13		12:25 to 12:30						NTD
2008-04-10	13		12:30 to 12:35						NTD
2008-04-10	13		12:50 to 12:55						NTD
2008-04-10	13		13:10 to 13:15						NTD
2008-04-10	13		13:25 to 13:30						NTD
2008-04-10	13		13:35 to 13:40						NTD
2008-04-10	13		13:45 to 13:50						NTD
2008-04-10	13	14:03 to 16:03	14:13 to 14:18						NTD
2008-04-10	13		14:18 to 14:23						NTD
2008-04-10	13		14:33 to 14:38						NTD
2008-04-10	13		14:53 to 14:58						NTD
2008-04-10	13		15:03 to 15:08						NTD
2008-04-10	13		15:23 to 15:28						NTD
2008-04-10	13		15:43 to 15:48						NTD
2008-04-10	13		15:58 to 16:03						NTD
2008-04-10	13	20:10 to 22:10	20:15 to 20:20						NTD
2008-04-10	13		20:30 to 20:35						NTD
2008-04-10	13		20:45 to 20:50						NTD
2008-04-10	13		20:55 to 21:00						NTD
2008-04-10	13		21:20 to 21:25						NTD
2008-04-10	13		21:25 to 21:30						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-10	13		21:40 to 21:45						NTD
2008-04-10	13		22:00 to 22:05						NTD
2008-04-10	13	22:13 to 00:13	22:23 to 22:28						NTD
2008-04-10	13		22:28 to 22:33						NTD
2008-04-10	13		22:43 to 22:48						NTD
2008-04-10	13		22:58 to 23:03						NTD
2008-04-10	13		23:23 to 23:28						NTD
2008-04-10	13		23:28 to 23:33						NTD
2008-04-10	13		22:53 to 22:58						NTD
2008-04-11	13		22:58 to 00:03						NTD
2008-04-11	13	9:20 to 11:20	9:30 to 9:35						CLOUDS
2008-04-11	13		9:45 to 9:50						CLOUDS
2008-04-11	13		9:50 to 9:55	9:50:29	BD	1	800	345	
2008-04-11	13			9:50:50	BD	1		80	
2008-04-11	13			9:51:17	BD	1	500	75	
2008-04-11	13			9:51:44	BD	1		215	
2008-04-11	13			9:54:50	BD	1	450	75	
2008-04-11	13			9:54:54	BD	1		295	
2008-04-11	13		10:05 to 10:10						NTD
2008-04-11	13		10:30 to 10:35						NTD
2008-04-11	13		10:35 to 10:40						NTD
2008-04-11	13		11:00 to 11:05						NTD
2008-04-11	13		11:05 to 11:10						NTD
2008-04-12	13	10:41 to 12:41	10:41 to 10:46						NTD
2008-04-12	13		10:56 to 11:01						NTD
2008-04-12	13		11:11 to 11:16						NTD
2008-04-12	13		11:31 to 11:36						NTD
2008-04-12	13		11:46 to 11:51						NTD
2008-04-12	13		12:01 to 12:06	12:01:05	BD	1	250	55	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-12	13		12:16 to 12:21						NTD
2008-04-12	13		12:36 to 12:41						NTD
2008-04-12	13	12:44 to 14:44	12:54 to 12:59						CLOUDS
2008-04-12	13		13:04 to 13:09						CLOUDS
2008-04-12	13		13:14 to 13:19						CLOUDS
2008-04-12	13		13:39 to 13:44						CLOUDS
2008-04-12	13		13:49 to 13:54						CLOUDS
2008-04-12	13		14:04 to 14:09						CLOUDS
2008-04-12	13		14:19 to 14:24						CLOUDS
2008-04-12	13		14:29 to 14:34						CLOUDS
2008-04-13	13	1:35 to 2:58	1:40 to 1:45						CLOUDS
2008-04-13	13		2:00 to 2:05						CLOUDS
2008-04-13	13		2:15 to 2:20						CLOUDS
2008-04-13	13		2:25 to 2:30						CLOUDS
2008-04-13	13		2:40 to 2:45						CLOUDS
2008-04-13	13		2:50 to 2:55						CLOUDS
2008-04-14	19	12:00 to 14:00	12:10 to 12:15						NTD
2008-04-14	19		12:20 to 12:25						NTD
2008-04-14	19		12:30 to 12:35						NTD
2008-04-14	19		12:45 to 12:50						NTD
2008-04-14	19		13:10 to 13:15	13:12:39	BD	1	475	170	
2008-04-14	19		13:20 to 13:25						NTD
2008-04-14	19		13:30 to 13:35						NTD
2008-04-14	19		13:50 to 13:55						NTD
2008-04-14	19	14:01 to 16:01	14:01 to 14:06						NTD
2008-04-14	19		14:21 to 14:26						NTD
2008-04-14	19		14:36 to 14:41						NTD
2008-04-14	19		14:56 to 15:01						NTD
2008-04-14	19		15:11 to 15:16						NTD



Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-14	19		15:21 to 15:26						NTD
2008-04-14	19		15:41 to 15:46						NTD
2008-04-14	19		15:55 to 16:01						NTD
2008-04-15	19	00:00 to 02:00	00:10 to 00:15						CLOUDS
2008-04-15	19		00:25 to 00:30						CLOUDS
2008-04-15	19		00:40 to 00:45						CLOUDS
2008-04-15	19		00:50 to 00:55						CLOUDS
2008-04-15	19		01:10 to 01:15						CLOUDS
2008-04-15	19		01:25 to 01:30						CLOUDS
2008-04-15	19		01:40 to 01:45						CLOUDS
2008-04-15	19		01:55 to 02:00						CLOUDS
2008-04-15	19	2:04 to 4:04	2:09 to 2:14						CLOUDS
2008-04-15	19		2:19 to 2:24						CLOUDS
2008-04-15	19		2:44 to 2:49						CLOUDS
2008-04-15	19		2:49 to 2:54						CLOUDS
2008-04-15	19		3:04 to 3:09	3:05:08	BD		200	75	
2008-04-15	19			3:06:12	BD		650	40	
2008-04-15	19		3:29 to 3:34						CLOUDS
2008-04-15	19		3:39 to 3:44						CLOUDS
2008-04-15	19		3:54 to 3:59	3:55:48	I		125	55	
2008-04-15	19	8:00 to 10:00	8:10 to 8:15						CLOUDS
2008-04-15	19		8:25 to 8:30						CLOUDS
2008-04-15	19		8:30 to 8:35						
2008-04-15	19		8:45 to 8:50						
2008-04-15	19		9:10 to 9:15						
2008-04-15	19		9:25 to 9:30						
2008-04-15	19		9:35 to 9:40						
2008-04-15	19		9:50 to 9:55						
2008-04-15	19	10:01 to 12:01	10:01 to 10:06						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-15	19		10:21 to 10:26						NTD
2008-04-15	19		10:31 to 10:36						NTD
2008-04-15	19		10:51 to 10:56						NTD
2008-04-15	19		11:11 to 11:16						NTD
2008-04-15	19		11:16 to 11:21						NTD
2008-04-15	19		11:31 to 11:36						NTD
2008-04-15	19		11:51 to 11:56						NTD
2008-04-16	19	4:03 to 6:03	4:08 to 4:13						NTD
2008-04-16	19		4:23 to 4:28						NTD
2008-04-16	19		4:43 to 4:48						NTD
2008-04-16	19		4:48 to 4:53						NTD
2008-04-16	19		5:08 to 5:13	5:08:07	BD	1	275	45	
2008-04-16	19		5:23 to 5:28						NTD
2008-04-16	19		5:43 to 5:48	5:46:50	BT	1	375	45	
2008-04-16	19		5:48 to 5:53						NTD
2008-04-16	19	6:06 to 8:06	6:06 to 6:11						NTD
2008-04-16	19		6:21 to 6:26						NTD
2008-04-16	19		6:41 to 6:46	6:42:22	BD	2	550	80	
2008-04-16	19		7:01 to 7:06						NTD
2008-04-16	19		7:06 to 7:11						NTD
2008-04-16	19		7:21 to 7:26						NTD
2008-04-16	19		7:36 to 7:41						NTD
2008-04-16	19		8:01 to 8:06						NTD
2008-04-16	19	12:00 to 14:00	12:00 to 12:05						NTD
2008-04-16	19		12:20 to 12:25						NTD
2008-04-16	19		12:35 to 12:40						NTD
2008-04-16	19		12:45 to 12:50						NTD
2008-04-16	19		13:00 to 13:05						NTD
2008-04-16	19		13:15 to 13:20						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-16	19		13:40 to 13:45						NTD
2008-04-16	19		13:50 to 13:55						NTD
2008-04-16	19	14:05 to 16:05	14:15 to 14:20						NTD
2008-04-16	19		14:20 to 14:25						NTD
2008-04-16	19		14:45 to 14:50						NTD
2008-04-16	19		15:00 to 15:05						NTD
2008-04-16	19		15:10 to 15:15						NTD
2008-04-16	19		15:20 to 15:25						NTD
2008-04-16	19		15:35 to 15:40						NTD
2008-04-16	19		15:50 to 15:55						NTD
2008-04-17	19	8:00 to 10:00	8:10 to 8:15						NTD
2008-04-17	19		8:20 to 8:25						NTD
2008-04-17	19		8:35 to 8:40						NTD
2008-04-17	19		8:45 to 8:50						NTD
2008-04-17	19		9:10 to 9:15						NTD
2008-04-17	19		9:15 to 9:20						NTD
2008-04-17	19		9:40 to 9:45						NTD
2008-04-17	19		9:45 to 9:50						NTD
2008-04-17	19	10:03 to 12:03	10:03 to 10:08						NTD
2008-04-17	19		10:18 to 10:23						NTD
2008-04-17	19		10:33 to 10:38						NTD
2008-04-17	19		10:58 to 11:03						NTD
2008-04-17	19		11:03 to 11:08						NTD
2008-04-17	19		11:18 to 11:23						NTD
2008-04-17	19		11:43 to 11:48						NTD
2008-04-17	19		11:58 to 12:03						NTD
2008-04-17	19		16:10 to 16:15	16:14:58	I	1		90	LOW
2008-04-17	19		16:25 to 16:30						NTD
2008-04-17	19		16:40 to 16:45						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-17	19		17:00 to 17:05						NTD
2008-04-17	19		17:10 to 17:15						NTD
2008-04-17	19		17:25 to 17:30						NTD
2008-04-17	19		17:40 to 17:45						NTD
2008-04-17	19		17:55 to 18:00						NTD
2008-04-17	19	18:10 to 20:10	18:15 to 18:20						NTD
2008-04-17	19		18:35 to 18:40						NTD
2008-04-17	19		18:45 to 18:50						NTD
2008-04-17	19		19:00 to 19:05						NTD
2008-04-17	19		19:15 to 19:20	19:18:59	I	1		125	LOW
2008-04-17	19		19:35 to 19:40						NTD
2008-04-17	19		19:50 to 19:55	19:53:16	BD	1		335	LOW
2008-04-17	19		19:55 to 20:00						NTD
2008-04-18	19	12:00 to 14:00	12:10 to 12:15						NTD
2008-04-18	19		12:25 to 12:30	12:28:33	BD	1		30	LOW
2008-04-18	19		12:40 to 12:45						NTD
2008-04-18	19		12:55 to 13:00						NTD
2008-04-18	19		13:05 to 13:10						NTD
2008-04-18	19		13:15 to 13:20						NTD
2008-04-18	19		13:40 to 13:45						NTD
2008-04-18	19		13:50 to 13:55	13:52:26	BD	1		30	LOW
2008-04-18	19	20:00:00 to 22:00:00	2005 to 2010						NTD
2008-04-18	19		2020 to 2025						NTD
2008-04-18	19		2030 to 2035						NTD
2008-04-18	19		2055 to 2100						NTD
2008-04-18	19		2100 to 2105						NTD
2008-04-18	19		2120 to 2125						NTD
2008-04-18	19		2130 to 2135						NTD
2008-04-18	19		2150 to 2155						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-18	19	22:03:00 to 00:03:00	2208 to 2213						NTD
2008-04-18	19		2223 to 2228						NTD
2008-04-18	19		2243 to 2248						NTD
2008-04-18	19		2253 to 2258						NTD
2008-04-18	19		2303 to 2308						NTD
2008-04-18	19		2328 to 2333						NTD
2008-04-18	19		2343 to 2348						NTD
2008-04-18	19		2358 to 0003						NTD
2008-04-25	26	12:00:00 to 14:00:00	1210 to 1215						CLOUDS
2008-04-25	26		1220 to 1225						NTD
2008-04-25	26		1235 to 1240						CLOUDS
2008-04-25	26		1255 to 1300						CLOUDS
2008-04-25	26		1310 to 1315						NTD
2008-04-25	26		1320 to 1325						CLOUDS
2008-04-25	26		1340 to 1345						CLOUDS
2008-04-25	26		1355 to 1400						CLOUDS
2008-04-25	26	14:03:00 to 16:03:00	1403 to 1408						CLOUDS
2008-04-25	26		1418 to 1423						CLOUDS
2008-04-25	26		1438 to 1443						CLOUDS
2008-04-25	26		1453 to 1458						CLOUDS
2008-04-25	26		1508 to 1513						CLOUDS
2008-04-25	26		1518 to 1523						CLOUDS
2008-04-25	26		1533 to 1538						CLOUDS
2008-04-25	26		1548 to 1553						CLOUDS
2008-04-25	26	20:10:00 to 22:10:00	2015 to 2020						CLOUDS
2008-04-25	26		2035 to 2040						CLOUDS
2008-04-25	26		2050 to 2055						CLOUDS
2008-04-25	26		2105 to 2110						CLOUDS
2008-04-25	26		2110 to 2115						CLOUDS

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-25	26		2135 to 2140						CLOUDS
2008-04-25	26		2145 to 2150						CLOUDS
2008-04-25	26		2155 to 2200						CLOUDS
2008-04-25	26	22:13:00 to 00:13:00	2218 to 2223						CLOUDS
2008-04-25	26		2238 to 2243						NTD
2008-04-25	26		2243 to 2248						NTD
2008-04-25	26		2303 to 2308						NTD
2008-04-25	26		2318 to 2323						CLOUDS
2008-04-25	26		2338 to 2343						NTD
2008-04-25	26		2348 to 2353						NTD
2008-04-25	26		0003 to 0008						NTD
2008-04-26	26	16:00:00 to 18:00:00	1600 to 1605						CLOUDS
2008-04-26	26		1620 to 1625						NTD
2008-04-26	26		1635 to 1640						CLOUDS
2008-04-26	26		1650 to 1655						CLOUDS
2008-04-26	26		1705 to 1710						NTD
2008-04-26	26		1720 to 1725						CLOUDS
2008-04-26	26		1735 to 1740						CLOUDS
2008-04-26	26		1750 to 1755						CLOUDS
2008-04-26	26	18:00:03 to 20:04:00	1803 to 1808						CLOUDS
2008-04-26	26		1818 to 1823						CLOUDS
2008-04-26	26		1843 to 1848						CLOUDS
2008-04-26	26		1853 to 1858						CLOUDS
2008-04-26	26		1913 to 1918						CLOUDS
2008-04-26	26		1928 to 1933						CLOUDS
2008-04-26	26		1938 to 1943						CLOUDS
2008-04-26	26		1953 to 1958						CLOUDS
2008-04-27	26	00:02:00 to 02:02:00	0007 to 0012						CLOUDS
2008-04-27	26		0022 to 0027						CLOUDS

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-27	26		0042 to 0047						CLOUDS
2008-04-27	26		0057 to 0102						CLOUDS
2008-04-27	26		112 to 117						CLOUDS
2008-04-27	26		117 to 122						CLOUDS
2008-04-27	26		142 to 147						CLOUDS
2008-04-27	26		152 to 157						CLOUDS
2008-04-27	26	04:06:00 to 06:06:00	416 to 421						CLOUDS
2008-04-27	26		431 to 436						CLOUDS
2008-04-27	26		436 to 441						CLOUDS
2008-04-27	26		456 to 501						CLOUDS
2008-04-27	26		506 to 511						CLOUDS
2008-04-27	26		521 to 526						CLOUDS
2008-04-27	26		536 to 541						CLOUDS
2008-04-27	26		601 to 606						CLOUDS
2008-04-29	26	20:00:00 to 22:00:00	2010 to 2015						NTD
2008-04-29	26		2025 to 2030						NTD
2008-04-29	26		2030 to 2035						NTD
2008-04-29	26		2045 to 2050						NTD
2008-04-29	26		2100 to 2105						NTD
2008-04-29	26		2120 to 2125						NTD
2008-04-29	26		2135 to 2140						NTD
2008-04-29	26		2155 to 2200						NTD
2008-04-29	26	22:03:00 to 00:05:00	2203 to 2208						NTD
2008-04-29	26		2223 to 2228						NTD
2008-04-29	26		2233 to 2238						NTD
2008-04-29	26		2258 to 2303						NTD
2008-04-29	26		2308 to 2313						NTD
2008-04-29	26		2328 to 2333						NTD
2008-04-29	26		2343 to 2348						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-29	26		2358 to 0003						NTD
2008-04-30	26	04:00:00 to 06:00:00	405 to 410	04:05:08	BD	1	175	230	
2008-04-30	26		420 to 425						NTD
2008-04-30	26		435 to 440	04:36:01	BD	1	250	160	
2008-04-30	26			04:36:19	BT	1			LOW
2008-04-30	26		450 to 455	04:51:30	BD	1	230	195	
2008-04-30	26		510 to 515						NTD
2008-04-30	26		515 to 520	05:16:48	I	1		220	LOW
2008-04-30	26		540 to 545						NTD
2008-04-30	26		555 to 600	05:56:00	I	1	125	195	
2008-04-30	26	06:03:00 to 08:03:00	613 to 618	06:13:44	BD	1	750	165	
2008-04-30	26		628 to 633						NTD
2008-04-30	26		633 to 638						CLOUDS
2008-04-30	26		658 to 703						NTD
2008-04-30	26		703 to 708						NTD
2008-04-30	26		718 to 723						NTD
2008-04-30	26		733 to 738						NTD
2008-04-30	26		753 to 758						NTD
2008-04-30	26	12:00:00 to 14:00:00	1205 to 1210						CLOUDS
2008-04-30	26		1220 to 1225						CLOUDS
2008-04-30	26		1235 to 1240						CLOUDS
2008-04-30	26		1245 to 1250						CLOUDS
2008-04-30	26		1305 to 1310						CLOUDS
2008-04-30	26		1320 to 1325						CLOUDS
2008-04-30	26		1340 to 1345						CLOUDS
2008-04-30	26		1355 to 1400						CLOUDS
2008-04-30	26	15:01:00 to 17:01:00	1511 to 1516						CLOUDS
2008-04-30	26		1516 to 1521						CLOUDS
2008-04-30	26		1536 to 1541						NTD



Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-04-30	26		1556 to 1601						NTD
2008-04-30	26		1606 to 1611						NTD
2008-04-30	26		1621 to 1626						NTD
2008-04-30	26		1636 to 1641						NTD
2008-04-30	26		1646 to 1651						NTD
2008-05-01	23	12:25:00 to 14:27:00	1230 to 1235						NTD
2008-05-01	23		1240 to 1245						NTD
2008-05-01	23		1300 to 1305	13:24:32	BD	1	175	305	
2008-05-01	23		1320 to 1325						NTD
2008-05-01	23		1325 to 1330						NTD
2008-05-01	23		1340 to 1345						NTD
2008-05-01	23		1400 to 1405						NTD
2008-05-01	23		1415 to 1420						NTD
2008-05-01	23	14:41:00 to 16:45:00	1441 to 1446						CLOUDS
2008-05-01	23		1506 to 1511						CLOUDS
2008-05-01	23		1521 to 1526						CLOUDS
2008-05-01	23		1536 to 1541						CLOUDS
2008-05-01	23		1541 to 1546						CLOUDS
2008-05-01	23		1606 to 1611						CLOUDS
2008-05-01	23		1611 to 1616						CLOUDS
2008-05-01	23		1631 to 1636						CLOUDS
2008-05-01	23	20:05:00 to 22:05:00	2010 to 2015						CLOUDS
2008-05-01	23		2020 to 2025						CLOUDS
2008-05-01	23		2035 to 2040						CLOUDS
2008-05-01	23		2050 to 2055						CLOUDS
2008-05-01	23		2110 to 2115						CLOUDS
2008-05-01	23		2130 to 2135						CLOUDS
2008-05-01	23		2135 to 2140						CLOUDS
2008-05-01	23		2155 to 2200						CLOUDS

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-01	23	22:08:00 to 00:10:00	2208 to 2213						CLOUDS
2008-05-01	23		2228 to 2233						CLOUDS
2008-05-01	23		2243 to 2248						CLOUDS
2008-05-01	23		2258 to 2303						CLOUDS
2008-05-01	23		2313 to 2318						CLOUDS
2008-05-01	23		2323 to 2328						CLOUDS
2008-05-01	23		2343 to 2348						NTD
2008-05-01	23		0003 to 0008						NTD
2008-05-02	23	02:55:00 to 04:55:00	305 to 310	03:06:07	I	1		10	
2008-05-02	23			03:07:06	I	1		10	
2008-05-02	23			03:09:30	I	1		10	
2008-05-02	23			03:09:41	BD	1	850	15	
2008-05-02	23			03:09:42	BD	1	850	15	
2008-05-02	23	10:23:00 to 11:23:00	1023 to 1028						NTD
2008-05-02	23		1048 to 1053						NTD
2008-05-02	23		1103 to 1108	11:03:49	I	1		0	LOW
2008-05-02	23		1108 to 1113						NTD
2008-05-02	23	16:00:00 to 18:00:00	1605 to 1610	16:05:39	I	1		0	
2008-05-02	23		1615 to 1620						NTD
2008-05-02	23		1640 to 1645	16:43:33	I	1		310	LOW
2008-05-02	23		1645 to 1650						NTD
2008-05-02	23		1700 to 1705						NTD
2008-05-02	23		1715 to 1720	17:17:55	I	1		355	LOW
2008-05-02	23		1740 to 1745						NTD
2008-05-02	23		1755 to 1800						NTD
2008-05-02	23	18:03:00 to 20:03:00	1808 to 1813						NTD
2008-05-02	23		1818 to 1823						NTD
2008-05-02	23		1833 to 1838						NTD
2008-05-02	23		1848 to 1853						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-02	23		1908 to 1913						NTD
2008-05-02	23		1923 to 1928						NTD
2008-05-02	23		1933 to 1938						NTD
2008-05-02	23		1953 to 1958						NTD
2008-05-03	23	00:00:00 to 02:02:40	0010 to 0015						NTD
2008-05-03	23		0025 to 0030						CLOUDS
2008-05-03	23		0040 to 0045						CLOUDS
2008-05-03	23		0050 to 0055						CLOUDS
2008-05-03	23		100 to 105						FOG
2008-05-03	23		120 to 125						FOG
2008-05-03	23		130 to 135						FOG
2008-05-03	23		150 to 155						FOG
2008-05-03	23	02:05:10 to 04:05:00							CLOUDS
2008-05-04	23	03:00:00 to 04:51:00	300 to 305						CLOUDS
2008-05-04	23		325 to 330						CLOUDS
2008-05-04	23		335 to 340						CLOUDS
2008-05-04	23		345 to 350						CLOUDS
2008-05-04	23		400 to 405						CLOUDS
2008-05-04	23		425 to 430						CLOUDS
2008-05-04	23		440 to 445						CLOUDS
2008-05-04	23		445 to 450						CLOUDS
2008-05-05	23	08:00:00 to 10:00:00	810 to 815						NTD
2008-05-05	23		815 to 820	08:15:21	I	1	175	80	
2008-05-05	23			08:16:33	BD	1	150	245	
2008-05-05	23			08:18:05	BD	1	125	285	
2008-05-05	23		840 to 845						FOG
2008-05-05	23		855 to 900						FOG
2008-05-05	23		910 to 915						NTD
2008-05-05	23		920 to 925						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-05	23		935 to 940						NTD
2008-05-05	23		955 to 1000						FOG
2008-05-05	23	10:03:00 to 10:34:00	1003 to 1008						FOG
2008-05-05	23		1025 to 1030						FOG
2008-05-05	23	20:00:00 to 22:00:00	2005 to 2010						CLOUDS
2008-05-05	23		2020 to 2025						CLOUDS
2008-05-05	23		2035 to 2040						CLOUDS
2008-05-05	23		2055 to 2100						CLOUDS
2008-05-05	23		2105 to 2110						CLOUDS
2008-05-05	23		2120 to 2125						NTD
2008-05-05	23		2135 to 2140						NTD
2008-05-05	23		2145 to 2150						NTD
2008-05-05	23	22:03:00 to 00:03:00	2208 to 2213						CLOUDS
2008-05-05	23		2228 to 2233						CLOUDS
2008-05-05	23		2233 to 2238						CLOUDS
2008-05-05	23		2258 to 2303						NTD
2008-05-05	23		2303 to 2308						NTD
2008-05-05	23		2323 to 2328						CLOUDS
2008-05-05	23		2338 to 2343						CLOUDS
2008-05-05	23		2358 to 0003						CLOUDS
2008-05-06	23	04:02:00 to 06:02:00							CLOUDS
2008-05-06	23	06:06:00 to 08:06:00							CLOUDS
2008-05-06	23	14:00:00 to 16:00:00	1405 to 1410	14:09:18	BD	1	250		
2008-05-06	23		1420 to 1425						NTD
2008-05-06	23		1430 to 1435						NTD
2008-05-06	23		1455 to 1500						NTD
2008-05-06	23		1500 to 1505						NTD
2008-05-06	23		1520 to 1525	15:21:43	I	1	no		
2008-05-06	23		1535 to 1540						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-06	23		1550 to 1555						NTD
2008-05-06	23	16:03:00 to 18:03:00	1608 to 1613						NTD
2008-05-06	23		1618 to 1623	16:18:16	I	1	150		
2008-05-06	23		1633 to 1638						NTD
2008-05-06	23		1653 to 1658	16:57:56	I	1	no		
2008-05-06	23		1703 to 1708						NTD
2008-05-06	23		1728 to 1733						NTD
2008-05-06	23		1743 to 1748						NTD
2008-05-06	23		1753 to 1758						NTD
2008-05-06	23	18:06:00 to 20:26:00	1806 to 1811						NTD
2008-05-06	23		1821 to 1826						NTD
2008-05-06	23		1846 to 1851						NTD
2008-05-06	23		1851 to 1856						NTD
2008-05-06	23		1911 to 1916						CLOUDS
2008-05-06	23		1926 to 1931						CLOUDS
2008-05-06	23		1946 to 1951						NTD
2008-05-06	23		1951 to 1956						NTD
2008-05-06	23	20:09:00 to 22:09:00	2009 to 2014						NTD
2008-05-06	23		2029 to 2034						NTD
2008-05-06	23		2044 to 2049						NTD
2008-05-06	23		2059 to 2104						NTD
2008-05-06	23		2109 to 2114						NTD
2008-05-06	23		2129 to 2134						NTD
2008-05-06	23		2149 to 2154						NTD
2008-05-06	23		2154 to 2159						NTD
2008-05-06	23	22:12:00 to 00:00:00	2222 to 2227	22:25:34	I	1	no		LOW
2008-05-06	23			22:25:47	I	1	no		LOW
2008-05-06	23		2237 to 2242						NTD
2008-05-06	23		2247 to 2252						NTD

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-06	23		2307 to 2312						NTD
2008-05-06	23		2317 to 2322	23:17:26	BD	1	275		
2008-05-06	23			23:20:00	U	1	no		Faint
2008-05-06	23			23:21:45	I	1	no		
2008-05-06	23		2337 to 2342						NTD
2008-05-06	23		2352 to 2357						NTD
2008-05-07	23	00:03:00 to 02:03:00	00:13 to 00:18						NTD
2008-05-07	23		00:28 to 00:33						NTD
2008-05-07	23		00:38 to 00:43						NTD
2008-05-07	23		00:58 to 01:03						NTD
2008-05-07	23		01:13 to 01:18						NTD
2008-05-07	23		01:28 to 01:33						NTD
2008-05-07	23		01:33 to 01:38	01:35:36	BD	1	400		
2008-05-07	23		01:48 to 01:53	01:49:01	BD	1	400		
2008-05-07	23			01:49:27	BD	1	400		
2008-05-07	23			01:51:50	BD	1	400		
2008-05-07	23	02:06:00 to 04:06:00	2:16 to 2:21	2:16:12	BD	1	475	60	
2008-05-07	23			2:16:45	BD	1	400	60	
2008-05-07	23			2:17:46	BD	1	350	55	
2008-05-07	23			2:19:57	BD	1	550	50	
2008-05-07	23			2:20:49	BD	1	500	70	
2008-05-07	23		2:21 to 2:26	2:21:06	BD	1	450	60	
2008-05-07	23			2:21:36	BD	1	375	65	
2008-05-07	23			2:23:05	BD	1	450	55	
2008-05-07	23			2:23:09	BD	1	575	50	
2008-05-07	23			2:23:22	BD	1	800	60	
2008-05-07	23			2:25:14	BD	1	200	45	
2008-05-07	23			2:25:24	BD	1	500	45	
2008-05-07	23		2:46 to 2:51	2:46:26	I	1		35	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23			2:48:25	BD	1	600	60	
2008-05-07	23			2:49:03	I	1		50	
2008-05-07	23			2:49:18	BD	1	650	50	
2008-05-07	23			2:49:28	BD	1	525	65	
2008-05-07	23			2:50:09	BD	1	550	70	
2008-05-07	23		251 to 256	2:51:41	BD	1	450	50	
2008-05-07	23			2:52:07	BD	1	700	65	
2008-05-07	23			2:52:58	BD	1	375	55	
2008-05-07	23			2:53:44	I	1		70	
2008-05-07	23			2:54:04	BD	1	950	75	
2008-05-07	23			2:54:36	I	1		45	
2008-05-07	23			2:54:44	I	1		105	
2008-05-07	23			2:55:10	BD	1	525	50	
2008-05-07	23			2:55:24	BD	1	600	55	
2008-05-07	23			2:55:43	BD	1	400	60	
2008-05-07	23			2:55:45	BD	1	400	65	
2008-05-07	23		3:16 to 3:21	3:17:29	BD	1	475	50	
2008-05-07	23			3:18:07	I	1		45	
2008-05-07	23			3:18:47	I	1		60	
2008-05-07	23			3:20:39	I	1		35	
2008-05-07	23			3:20:42	BD	1	475	50	
2008-05-07	23		3:31 to 3:36	3:31:13	I	1		35	
2008-05-07	23			3:31:39	BD	1	325	25	
2008-05-07	23			3:32:15	BD	1	500	50	
2008-05-07	23			3:32:25	BD	1	450	50	
2008-05-07	23			3:32:30	BD	1	450	85	
2008-05-07	23			3:32:38	I	1		60	
2008-05-07	23			3:32:42	I	1		70	
2008-05-07	23			3:33:20	I	1		90	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23		3:36 to 3:41	3:36:59	BD	1	550	35	
2008-05-07	23			3:37:48	BD	1	575	50	
2008-05-07	23			3:37:55	I	2		60	
2008-05-07	23			3:38:26	I	1		100	
2008-05-07	23			3:38:34	I	1		50	
2008-05-07	23			3:39:44	BD	1	525	55	
2008-05-07	23			3:40:41	I	1		50	
2008-05-07	23			3:40:53	BD	1	200	50	
2008-05-07	23		4:01 to 4:06	4:01:14	I	1	100	60	
2008-05-07	23			4:01:22	BD	1	475	65	
2008-05-07	23			4:02:02	I	1		50	
2008-05-07	23			4:02:24	BD	1	350	45	
2008-05-07	23			4:03:01	BD	1	200	70	
2008-05-07	23			4:03:27	BD	1	475	60	
2008-05-07	23			4:04:05	BD	1	500	50	
2008-05-07	23			4:04:15	BD	1	325	45	
2008-05-07	23			4:05:04	BD	1	350	50	
2008-05-07	23			4:05:06	BD	1	1325	50	
2008-05-07	23			4:05:09	I	1		85	
2008-05-07	23			4:05:47	I	1		25	
2008-05-07	23	04:09:00 to 06:09:00	4:09 to 4:14	4:10:08	BD	1	550	70	
2008-05-07	23			4:10:16	BD	1	400	55	
2008-05-07	23			4:10:28	BD	1	250	40	
2008-05-07	23			4:10:47	I	1		40	
2008-05-07	23			4:11:37	I	1		35	
2008-05-07	23			4:12:24	I	1		40	
2008-05-07	23		4:34 to 4:39	4:34:19	BD	1	425	55	
2008-05-07	23			4:35:29	BD	1	425	65	
2008-05-07	23			4:36:13	BD	1	550	60	



Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23			4:36:24	BD	1	475	60	
2008-05-07	23			4:37:06	BD	1	475	60	
2008-05-07	23			4:37:48	BD	1	750	55	
2008-05-07	23			4:38:09	BD	1	300	40	
2008-05-07	23			4:38:49	I	1		30	
2008-05-07	23		4:49 to 4:54	4:49:40	I	1		30	
2008-05-07	23			4:49:59	BT	1	350	var	
2008-05-07	23			4:50:32	I	1		35	
2008-05-07	23			4:50:55	BD	1	525	50	
2008-05-07	23			4:52:27	I	1		35	
2008-05-07	23			4:52:30	BD	1	425	60	
2008-05-07	23			4:53:36	BD	1	550	60	
2008-05-07	23			4:53:52	BD	1	800	100	
2008-05-07	23			4:53:56	BD	1	375	50	
2008-05-07	23		4:59 to 5:04	4:59:09	I	1		45	
2008-05-07	23			5:02:39	I	1		45	
2008-05-07	23			5:02:49	I	1		100	
2008-05-07	23			5:03:15	I	1		40	
2008-05-07	23		5:14 to 5:19	5:15:51	BD	1	500	350	
2008-05-07	23			5:16:16	BD	1	250	50	
2008-05-07	23			5:16:40	I	1		110	
2008-05-07	23			5:17:40	BD	1	250	90	
2008-05-07	23			5:18:42	BD	1	350	85	
2008-05-07	23		5:29 to 5:34	5:29:05	BD	5	300	85	
2008-05-07	23			5:29:50	BD	1	250	40	
2008-05-07	23			5:30:17	BD	1	1225	110	
2008-05-07	23			5:31:34	I/U	1		100	
2008-05-07	23			5:32:55	I	1	175	40	
2008-05-07	23			5:32:58	I	1		45	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23			5:33:08	BD	1	500	55	
2008-05-07	23			5:33:47	BD	1	450	60	
2008-05-07	23		5:49 to 5:54	5:49:05	BD	1	575	55	
2008-05-07	23			5:50:16	BD	1	300	55	
2008-05-07	23			5:50:18	BD	1	300	55	
2008-05-07	23			5:50:46	BD	1	400	55	
2008-05-07	23			5:51:02	BD	1	250	70	
2008-05-07	23			5:51:50	BD	1	500	45	
2008-05-07	23			5:51:50	BD	1	300	55	
2008-05-07	23			5:52:26	BD	1	1000	40	
2008-05-07	23			5:53:13	I	1		90	
2008-05-07	23		6:04 to 6:09	6:04:56	BD	1	200	30	
2008-05-07	23			6:05:40	BD	1	175	40	
2008-05-07	23			6:06:42	BD	1	175	35	
2008-05-07	23			6:07:00	I	1	200	25	
2008-05-07	23			6:07:06	BD	1	325	50	
2008-05-07	23			6:07:29	BD	1	1400	25	
2008-05-07	23			6:07:33	BD	1	450	50	
2008-05-07	23			6:08:32	BD	1	425	45	
2008-05-07	23			6:08:52	BD	1	300	90	
2008-05-07	23	06:12:00 to 08:08:00	6:17 to 6:22	6:17:47	BD	1	350	55	
2008-05-07	23			6:17:50	BD	1	325	75	
2008-05-07	23			6:17:50	BD	1	500	55	
2008-05-07	23			6:18:09	BD	1	350	40	
2008-05-07	23			6:18:31	BD	1	275	55	
2008-05-07	23			6:18:44	BD	1	375	40	
2008-05-07	23			6:18:58	BD	1	275	60	
2008-05-07	23			6:19:25	BD	1	250	55	
2008-05-07	23			6:19:31	BT	1	375	155	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23			6:20:05	BD	1	275	50	
2008-05-07	23			6:20:22	BD	1	325	40	
2008-05-07	23		6:32 to 6:37	6:32:02	BD	1	600	60	
2008-05-07	23			6:32:06	BD	1	700	55	
2008-05-07	23			6:33:05	BD	1	325	50	
2008-05-07	23			6:33:28	I	1		145	
2008-05-07	23			6:33:33	BD	1	200	55	
2008-05-07	23			6:33:45	BT	1	500	55	
2008-05-07	23			6:33:47	BD	1	350	55	
2008-05-07	23			6:33:52	BD	1	225	45	
2008-05-07	23			6:34:20	BD	1	400	55	
2008-05-07	23			6:34:24	BD	1	750	40	
2008-05-07	23			6:34:40	BD	1	350	55	
2008-05-07	23			6:35:22	BD	1	300	55	
2008-05-07	23			6:35:30	BD	1	575	60	
2008-05-07	23			6:35:39	BD	1	550	55	
2008-05-07	23			6:35:41	BD	1	125	35	
2008-05-07	23			6:36:14	BD	1	200	55	
2008-05-07	23			6:36:32	BD	1	300	60	
2008-05-07	23			6:36:38	BD	1	1100	40	
2008-05-07	23		6:52 to 6:57	6:52:44	BD	1	1300	25	
2008-05-07	23			6:52:51	BD	1	275	60	
2008-05-07	23			6:53:10	BD	1		25	
2008-05-07	23			6:53:26	I	1	100	30	
2008-05-07	23			6:53:40	BD	3	250	40	
2008-05-07	23			6:55:13	BD	1	325	55	
2008-05-07	23			6:56:35	BD	1	175	30	
2008-05-07	23			6:56:41	BD	1	150	60	
2008-05-07	23		6:57 to 7:02	6:57:15	BD	3	400	60	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23			6:57:27	BD	1	300	65	
2008-05-07	23			6:58:31	BD	1	250	55	
2008-05-07	23			6:59:13	BD	1	750	65	
2008-05-07	23			6:59:38	I	1		70	
2008-05-07	23			6:59:46	BD	1	300	65	
2008-05-07	23			7:00:03	BD	1	825	40	
2008-05-07	23			7:00:06	BD	1	200	60	
2008-05-07	23			7:00:55	BD	1	250	60	
2008-05-07	23			7:01:05	BD	1	750	55	
2008-05-07	23			7:01:16	BD	1	600	40	
2008-05-07	23			7:01:39	BD	1	175	50	
2008-05-07	23			7:02:00	I	1		70	
2008-05-07	23		7:12 to 7:17	7:12:32	BD	1	300	55	
2008-05-07	23			7:13:12	BD	1	600	60	
2008-05-07	23			7:13:15	BD	1	900	35	
2008-05-07	23			7:13:22	BD	1	350	90	
2008-05-07	23			7:14:33	BD	2	275	50	
2008-05-07	23			7:14:41	BD	1	525	70	
2008-05-07	23			7:14:54	BD	1	325	40	
2008-05-07	23			7:15:28	BD	1	625	40	
2008-05-07	23			7:15:40	BD	1	850	90	
2008-05-07	23			7:15:49	BD	1	925	60	
2008-05-07	23			7:16:27	BD	1	850	25	
2008-05-07	23			7:16:32	BD	1	225	65	
2008-05-07	23			7:16:40	BD	1	500	65	
2008-05-07	23			7:16:43	I	1		40	
2008-05-07	23		7:27 to 7:32	7:27:44	BD	1	200	60	
2008-05-07	23			7:28:06	BD	1	450	55	
2008-05-07	23			7:29:03	I	1		55	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23			7:29:14	BD	3	400	50	
2008-05-07	23			7:29:44	BD	1	125	15	
2008-05-07	23			7:30:02	BD	1	300	45	
2008-05-07	23			7:30:40	BD	1	450	65	
2008-05-07	23			7:30:46	I	1		0	
2008-05-07	23			7:30:51	BD	1	200	65	
2008-05-07	23			7:31:23	BD	1	325	55	
2008-05-07	23		7:47 to 7:52	7:47:25	BD	1	450	45	
2008-05-07	23			7:48:40	BD	1	325	50	
2008-05-07	23			7:48:45	BD	1	550	50	
2008-05-07	23			7:49:24	BD	1	475	55	
2008-05-07	23			7:49:50	I	1		30	
2008-05-07	23			7:50:08	BD	1	800	50	
2008-05-07	23			7:51:00	BD	1	275	55	
2008-05-07	23		8:02 to 8:07	8:02:05	BD	1	625	55	
2008-05-07	23			8:03:41	BD	1	250	35	
2008-05-07	23			8:04:11	I	1		55	
2008-05-07	23			8:04:24	BD	1	275	60	
2008-05-07	23			8:06:16	BD	1	275	45	
2008-05-07	23			8:06:50	BD	1	150	40	
2008-05-07	23	08:11:00 to 10:13:00	8:16 to 8:21	8:18:23	BD	1	375	25	
2008-05-07	23			8:18:56	BD	1	325	35	
2008-05-07	23		8:31 to 8:36	8:32:06	BD	1	200	45	
2008-05-07	23			8:35:16	BD	1	175	35	
2008-05-07	23		8:51 to 8:56	8:51:00	I	1		35	
2008-05-07	23			8:53:02	BD	1	175	35	
2008-05-07	23			8:55:31	I	1	175	165	
2008-05-07	23		9:06 to 9:11	9:06:29	BD	1	725	10	
2008-05-07	23			9:08:12	BD	1	250	30	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-07	23			9:10:03	I	1		355	
2008-05-07	23			9:10:10	BD	1	150	35	
2008-05-07	23		9:11 to 9:16	9:11:20	I	1		45	
2008-05-07	23			9:11:47	BD	1	675	25	
2008-05-07	23			9:12:59	BD	1	1150	25	
2008-05-07	23			9:13:01	I	1		170	
2008-05-07	23			9:13:27	I	1		355	
2008-05-07	23		9:36 to 9:41						NTD
2008-05-07	23		9:41 to 9:46						NTD
2008-05-07	23		10:06 to 10:11						NTD
2008-05-08	17	16:05:00 to 18:07:00	16:20 to 16:25	16:20:19	I	1		45	
2008-05-08	17		16:30 to 16:35						NTD
2008-05-08	17		16:40 to 16:45						CLOUDS
2008-05-08	17		17:00 to 17:05						CLOUDS
2008-05-08	17		17:10 to 17:15						CLOUDS
2008-05-08	17		17:20 to 17:25						CLOUDS
2008-05-08	17		17:35 to 17:40						CLOUDS
2008-05-08	17		1755 to 1800						CLOUDS
2008-05-08	17	18:10:00 to 20:10:30	18:15 to 18:20						CLOUDS
2008-05-08	17		18:25 to 18:30						CLOUDS
2008-05-08	17		18:45 to 18:50						CLOUDS
2008-05-08	17		19:05 to 19:10						CLOUDS
2008-05-08	17		19:15 to 19:20						CLOUDS
2008-05-08	17		19:35 to 19:40						NTD
2008-05-08	17		19:40 to 19:45						NTD
2008-05-08	17		19:55 to 2:00						NTD
2008-05-09	17	04:00:00 to 05:55:00	4:00 to 4:05						CLOUDS
2008-05-09	17		4:20 to 4:25						CLOUDS
2008-05-09	17		4:40 to 4:45						CLOUDS

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-09	17		4:55 to 5:00						CLOUDS
2008-05-09	17		5:05 to 5:10						CLOUDS
2008-05-09	17		5:20 to 5:25						CLOUDS
2008-05-09	17		5:35 to 5:40						CLOUDS
2008-05-09	17		5:45 to 5:50						CLOUDS
2008-05-10	17	12:01:00 to 13:57:00	12:06 to 12:11						CLOUDS
2008-05-10	17		12:21 to 12:26						CLOUDS
2008-05-10	17		12:31 to 12:36						CLOUDS
2008-05-10	17		12:51 to 12:56						CLOUDS
2008-05-10	17		13:01 to 13:06						CLOUDS
2008-05-10	17		13:21 to 13:26						CLOUDS
2008-05-10	17		13:41 to 13:46						CLOUDS
2008-05-10	17		13:46 to 13:51						CLOUDS
2008-05-10	17	13:59:58 to 15:58:08	14:00 to 14:05						CLOUDS
2008-05-10	17		14:20 to 14:25						CLOUDS
2008-05-10	17		14:35 to 14:40						CLOUDS
2008-05-10	17		14:55 to 15:00						CLOUDS
2008-05-10	17		15:05 to 15:10						CLOUDS
2008-05-10	17		15:20 to 15:25						CLOUDS
2008-05-10	17		15:30 to 15:35						CLOUDS
2008-05-10	17		15:50 to 15:55						CLOUDS
2008-05-10	17	16:03 to 16:30	16:03 to 16:08						CLOUDS
2008-05-10	17		16:23 to 16:28						CLOUDS
2008-05-10	17	21:44 to 23:46	21:49 to 21:54						CLOUDS
2008-05-10	17		22:04 to 22:09						CLOUDS
2008-05-10	17		22:14 to 22:19						CLOUDS
2008-05-10	17		22:34 to 22:39						CLOUDS
2008-05-10	17		22:49 to 22:54						CLOUDS
2008-05-10	17		23:09 to 23:14						CLOUDS

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-10	17		23:24 to 23:29						CLOUDS
2008-05-10	17		23:34 to 23:39						CLOUDS
2008-05-11	17	00:05 to 02:00	00:15 to 00:20						NTD
2008-05-11	17		00:30 to 00:35						NTD
2008-05-11	17		00:40 to 00:45						NTD
2008-05-11	17		00:50 to 00:55						NTD
2008-05-11	17		1:05 to 1:10						NTD
2008-05-11	17		1:25 to 1:30	01:27:38	I	1		230	
2008-05-11	17		1:35 to 1:40	01:38:26	BD	1	750	65	
2008-05-11	17		1:55 to 02:00	01:57:39	BD	1	400	25	
2008-05-11	17	02:00 to 04:00	2:00 to 2:05	02:03:57	I	1	100	80	
2008-05-11	17		2:20 to 2:25	02:20:10	BD	1	550	85	
2008-05-11	17			02:20:54	BT	1	500	10	
2008-05-11	17		2:40 to 2:45	02:43:34	I	1		60	
2008-05-11	17		2:55 to 3:00						NTD
2008-05-11	17		3:10 to 3:15	03:14:40	I	1		0	
2008-05-11	17		3:15 to 3:20						NTD
2008-05-11	17		3:40 to 3:45	03:40:16	BD	1	700	100	
2008-05-11	17			03:42:27	I	1		95	
2008-05-11	17		3:45 to 3:50	03:45:38	I	1		40	
2008-05-11	17			03:48:05	I	1		55	
2008-05-11	17	04:00 to 06:00	4:00 to 4:05	04:04:15	BD	1	600	70	
2008-05-11	17		4:15 to 4:20	04:15:50	I	1	100	75	
2008-05-11	17			04:18:19	BD	1	400	20	
2008-05-11	17			04:19:25	I	1	100	30	
2008-05-11	17		4:30 to 4:35	04:38:09	I	1		50	LOW
2008-05-11	17		4:50 to 4:55	04:50:21	I	1		20	LOW
2008-05-11	17		5:00 to 5:05						NTD
2008-05-11	17		5:15 to 5:20						NTD



Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-11	17		5:30 to 5:35	05:30:51	BD	1	450	115	
2008-05-11	17			05:34:38	I	1	100	110	
2008-05-11	17		5:45 to 5:50	05:49:29	I	1	100	30	
2008-05-11	17	06:00 to 08:00	6:00 to 6:05	06:02:29	I	1		210	
2008-05-11	17			06:03:54	BD	1	150	0	
2008-05-11	17			06:04:29	BD	1	450	0	
2008-05-11	17			06:04:46	I	1		270	
2008-05-11	17			06:04:50	BD	1	500	240	
2008-05-11	17			06:04:59	I	1		260	
2008-05-11	17		6:15 to 6:20	06:16:09	BD	1	300	220	
2008-05-11	17			06:17:12	BD	1	250	250	
2008-05-11	17			06:17:21	I	1		185	
2008-05-11	17			06:17:39	BD	1	275	30	
2008-05-11	17			06:19:31	I	1		225	
2008-05-11	17		6:30 to 6:35						NTD
2008-05-11	17		6:45 to 6:50	06:45:01	BD	1	275	355	
2008-05-11	17			06:45:28	I	1	100	255	
2008-05-11	17			06:47:24	I	1	160	230	
2008-05-11	17		7:10 to 7:15	07:12:09	I	1	180	100	
2008-05-11	17		7:15 to 7:20						NTD
2008-05-11	17		7:40 to 7:45	07:44:55	I	1	285	125	
2008-05-11	17		7:45 to 7:50	07:45:10	BD	1	550	305	
2008-05-11	17	08:00 to 10:00	8:00 to 8:05	08:04:52	BD	1	600	60	
2008-05-11	17			08:07:02	I	1	110	200	
2008-05-11	17		8:20 to 8:25	08:25:16	I	1		400	
2008-05-11	17			08:28:00	BT	1		500	
2008-05-11	17		8:30 to 8:35	08:31:23	BD	1	475	270	
2008-05-11	17			08:34:19	BD	1	700	140	

Table K-1 (continued). TI-VPR data for spring 2008 offshore. NTD = no targets detected, CLOUDS = cloudy conditions, LOW = target too low in beam to obtain measurement.

Date	Grid	Time Frame (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-05-11	17		8:50 to 8:55	08:51:53	I	1	180	200	
2008-05-11	17			08:52:25	BD	1	500	225	
2008-05-11	17			08:52:38	I	1	345	150	
2008-05-11	17			08:53:59	I	1	100		
2008-05-11	17			08:54:29	BD	1	330	250	
2008-05-11	17		9:10 to 9:15	09:11:09	BD	1	250		
2008-05-11	17			09:12:10	I	1	230		
2008-05-11	17			09:12:33	BD	1	325	300	
2008-05-11	17		9:20 to 9:25	09:24:05	BD	1		30	LOW
2008-05-11	17		9:30 to 9:35						NTD
2008-05-11	17		9:45 to 9:50						NTD

Table K-2. TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-01	23	13:46:32 to 15:00:25	13:51 to 13:56						FOG
2008-10-01	23		14:06 to 14:11						FOG
2008-10-01	23		14:16 to 14:21						FOG
2008-10-01	23		14:41 to 14:46						FOG
2008-10-01	23	15:58:46 to 17:58:40	16:08 to 16:13						FOG
2008-10-01	23		16:13 to 16:18						FOG
2008-10-01	23		16:28 to 16:33						FOG
2008-10-01	23		16:53 to 16:58						FOG
2008-10-01	23		17:08 to 17:13						FOG
2008-10-01	23		17:23 to 17:28						FOG
2008-10-01	23		17:38 to 17:43						NTD
2008-10-01	23		17:53 to 17:58						FOG
2008-10-01	23	17:58:46 to 19:57:11	18:03 to 18:08						FOG
2008-10-01	23		18:13 to 18:18						NTD
2008-10-01	23		18:33 to 18:38						FOG
2008-10-01	23		18:48 to 18:53						NTD
2008-10-01	23		18:58 to 19:03						FOG
2008-10-01	23		19:18 to 19:23						FOG
2008-10-01	23		19:38 to 19:43						FOG
2008-10-01	23		19:48 to 19:53						FOG
2008-10-01	23	19:58:46 to 21:03:16	20:08 to 20:13						FOG
2008-10-01	23		20:13 to 20:18						FOG
2008-10-01	23		20:33 to 20:38						FOG
2008-10-01	23		20:53 to 20:58						NTD
2008-10-02	23	10:49 to 12:49	10:54 to 10:59	10:54:51	BD	1	575	175	
2008-10-02	23		11:09 to 11:14						NTD
2008-10-02	23		11:19 to 11:24						NTD
2008-10-02	23		11:39 to 11:44	11:42:00	BD	1	300	90	
2008-10-02	23			11:42:00	BD	1	300	140	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-02	23		11:49 to 11:54						NTD
2008-10-02	23		12:04 to 12:09						NTD
2008-10-02	23		12:19 to 12:24	12:19:53	BD	1	350	145	
2008-10-02	23			12:22:06	BD	1	575	135	
2008-10-02	23		12:44 to 12:49	12:47:32	BD	1		270	LOW
2008-10-02	23	12:49:07 to 14:49:07	12:54 to 12:59	12:57:49	BD	1		25	LOW
2008-10-02	23		13:14 to 13:19	1:15:00	BD	1	600	75	
2008-10-02	23		13:19 to 13:24						NTD
2008-10-02	23		13:44 to 13:49						CLOUDS
2008-10-02	23		13:55 to 14:00						CLOUDS
2008-10-02	23		14:10 to 14:15						CLOUDS
2008-10-02	23		14:24 to 14:29						CLOUDS
2008-10-02	23		14:39 to 14:43						CLOUDS
2008-10-02	23	14:49 to 16:49	14:54 to 14:59						NTD
2008-10-02	23		15:14 to 15:19						CLOUDS
2008-10-02	23		15:29 to 15:34						CLOUDS
2008-10-02	23		15:34 to 15:39						NTD
2008-10-02	23		15:54 to 15:59						CLOUDS
2008-10-02	23		16:04 to 16:09						CLOUDS
2008-10-02	23		16:29 to 16:34						CLOUDS
2008-10-02	23		16:34 to 16:39						NTD
2008-10-02	23	16:49 to 18:49	16:49 to 16:54						NTD
2008-10-02	23		17:04 to 17:09						NTD
2008-10-02	23		17:24 to 17:29						NTD
2008-10-02	23		17:44 to 17:49						NTD
2008-10-02	23		17:49 to 17:54						CLOUDS
2008-10-02	23		18:04 to 18:09						NTD
2008-10-02	23		18:29 to 18:34						NTD
2008-10-02	23		18:44 to 18:49						NTD

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-03	23	21:07 to 22:07:20	2107 to 2112						NTD
2008-10-03	23		2122 to 2127						NTD
2008-10-03	23		2142 to 2147						NTD
2008-10-03	23		2157 to 2202	21:58:09	I	1		85	
2008-10-05	23	12:15 to 14:15	1225 to 1230						NTD
2008-10-05	23		1240 to 1245						NTD
2008-10-05	23		1255 to 1300						NTD
2008-10-05	23		1310 to 1315						NTD
2008-10-05	23		1320 to 1325						NTD
2008-10-05	23		1340 to 1345						NTD
2008-10-05	23		1345 to 1350						NTD
2008-10-05	23		1410 to 1415						NTD
2008-10-05	23		1420 to 1425						NTD
2008-10-05	23		1435 to 1440						NTD
2008-10-05	23		1450 to 1455						CLOUDS
2008-10-05	23		1510 to 1515						CLOUDS
2008-10-05	23		1525 to 1530						CLOUDS
2008-10-05	23		1530 to 1535						CLOUDS
2008-10-05	23		1545 to 1550						CLOUDS
2008-10-05	23		1600 to 1605						NTD
2008-10-05	23	16:15 to 18:15	1625 to 1630						NTD
2008-10-05	23		1630 to 1635						NTD
2008-10-05	23		1655 to 1700						NTD
2008-10-05	23		1710 to 1715						CLOUDS
2008-10-05	23		1720 to 1725						CLOUDS
2008-10-05	23		1740 to 1745						CLOUDS
2008-10-05	23		1745 to 1750						CLOUDS
2008-10-05	23		1800 to 1805						CLOUDS
2008-10-05	23	18:15 to 20:15	1825 to 1830						NTD

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-05	23		1835 to 1840						NTD
2008-10-05	23		1845 to 1850	18:49:13	I	1		300	LOW
2008-10-05	23			18:49:14	I	1		225	LOW
2008-10-05	23		1910 to 1915						NTD
2008-10-05	23		1920 to 1925						NTD
2008-10-05	23		1930 to 1935						NTD
2008-10-05	23		1950 to 1955	19:53:17	I	1		25	LOW
2008-10-05	23		2005 to 2010	20:08:03	I	1		175	
2008-10-06	23	19:26 to 21:26	1931 to 1936	19:31:23	BD	1	250	220	
2008-10-06	23			19:31:43	I	1		270	
2008-10-06	23			19:32:09	BD	1	200	290	
2008-10-06	23			19:32:26	I	1		270	
2008-10-06	23		1946 to 1951	19:46:33	BT	1		200	LOW
2008-10-06	23							195	
2008-10-06	23			19:46:38	BD	1	1150	200	
2008-10-06	23			19:47:22	I	1		165	
2008-10-06	23			19:47:47	I	1		260	
2008-10-06	23			19:47:54	I	1		250	
2008-10-06	23		2001 to 2006	20:01:30	BD	1	475	205	
2008-10-06	23			20:02:35	BT	1	175	variable	
2008-10-06	23			20:02:47	BD	1	400	275	
2008-10-06	23			20:03:24	BD	1		150	
2008-10-06	23			20:03:26	I	1		250	
2008-10-06	23			20:03:56	I	1		170	
2008-10-06	23			20:04:36	I	1		210	
2008-10-06	23			20:04:39	BD	1	175	260	
2008-10-06	23			20:05:09	I	1		210	
2008-10-06	23		2016 to 2021						CLOUDS
2008-10-06	23		2026 to 2031						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-06	23		2041 to 2046						NTD
2008-10-06	23		2101 to 2106						CLOUDS
2008-10-06	23		2116 to 2121	21:18:13	I	1		210	
2008-10-06	23			21:19:41	I	1		220	
2008-10-06	23	21:26 to 23:26	2136 to 2141						NTD
2008-10-06	23		2141 to 2146	21:42:00	I	1	275	200	
2008-10-06	23		2206 to 2211						CLOUDS
2008-10-06	23		2216 to 2221						CLOUDS
2008-10-06	23		2231 to 2236						CLOUDS
2008-10-06	23		2246 to 2251						CLOUDS
2008-10-06	23		2256 to 2301						CLOUDS
2008-10-06	23		2321 to 2326						CLOUDS
2008-10-06	23	23:26 to 01:26	2326 to 2331						CLOUDS
2008-10-06	23		2346 to 2351						CLOUDS
2008-10-06	23		0006 to 0011						CLOUDS
2008-10-06	23		0011 to 0016						CLOUDS
2008-10-06	23		0026 to 0031						CLOUDS
2008-10-06	23		0041 to 0046						CLOUDS
2008-10-06	23		101 to 106						CLOUDS
2008-10-06	23		111 to 116						CLOUDS
2008-10-06	23	01:26 to 03:26	131 to 136						CLOUDS
2008-10-06	23		141 to 146						CLOUDS
2008-10-06	23		206 to 211						CLOUDS
2008-10-06	23		216 to 221						CLOUDS
2008-10-06	23		231 to 236						CLOUDS
2008-10-06	23		246 to 251						CLOUDS
2008-10-06	23		301 to 306						CLOUDS
2008-10-06	23		311 to 316						CLOUDS
2008-10-07	23	4:03 to 6:03	4:03:14 to 4:08:14						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-07	23		4:23:14 to 4:28:14						CLOUDS
2008-10-07	23		4:43:14 to 4:48:14						CLOUDS
2008-10-07	23		4:53:14 to 4:58:14						CLOUDS
2008-10-07	23		5:13:14 to 5:18:14						CLOUDS
2008-10-07	23		5:23:14 to 5:28:14						CLOUDS
2008-10-07	23		5:38:14 to 5:43:14						CLOUDS
2008-10-07	23		5:53:14 to 5:58:14						CLOUDS
2008-10-07	23	6:03 to 8:03	6:13:14 to 6:18:14						CLOUDS
2008-10-07	23		6:28:14 to 6:33:14	06:28:33	BD	1		200	
2008-10-07	23			06:30:25	I	1		185	
2008-10-07	23			06:30:26	I	1	300	205	
2008-10-07	23			06:31:02	I	1		190	LOW
2008-10-07	23			06:31:48	I	1		190	
2008-10-07	23			06:32:41	BD	1	475	255	
2008-10-07	23		6:33:14 to 6:38:14					270	CLOUDS
2008-10-07	23		6:58:14 to 7:03:14	06:58:19	I	1		225	LOW
2008-10-07	23			06:58:48	BD	1	300	220	
2008-10-07	23			06:59:34	BD	1		270	
2008-10-07	23			07:00:56	I	1	175	195	
2008-10-07	23			07:00:59	BD	1		185	
2008-10-07	23			07:01:02	BD	1		175	
2008-10-07	23			07:01:25	BD	1	300	235	
2008-10-07	23			07:01:36	BD	1	1900	225	
2008-10-07	23			07:01:53	BD	1	600	215	
2008-10-07	23			07:02:17	BD	1	475	225	
2008-10-07	23		7:13:14 to 7:18:14	07:14:28	I	1		205	
2008-10-07	23			07:15:07	I	1		240	
2008-10-07	23		7:28:14 to 7:33:14	07:28:49	BD	7	1175	250	
2008-10-07	23			07:29:13	BD	1	1350	260	



Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-07	23		7:38:14 to 7:43:14	07:38:45	BD	1	575	265	
2008-10-07	23			07:39:47	BD	1	225	240	
2008-10-07	23		7:58:14 to 8:03:14	08:01:32	BD	1	600	190	
2008-10-07	23			08:02:34	BD	1	200	245	
2008-10-07	23			08:02:35	I	1		200	LOW
2008-10-07	23			08:02:36	BD	1		280	LOW
2008-10-07	23	8:03 to 10:03	8:03:14 to 8:08:14	08:04:25	BD	1		230	LOW
2008-10-07	23		8:18:14 to 8:23:14	08:20:15	I	1		195	LOW
2008-10-07	23		8:43:14 to 8:48:14	08:44:20	I	1	175	200	
2008-10-07	23			08:44:47	BD	1	300	175	
2008-10-07	23			08:46:46	BD	1	750	180	
2008-10-07	23		8:58:14 to 9:03:14	09:00:33	BD	1	300	265	
2008-10-07	23			09:01:16	BD	1	450	190	
2008-10-07	23			09:01:35	BD	1	450	245	
2008-10-07	23		9:08:14 to 9:13:14	09:11:26	BD	1	875	210	
2008-10-07	23		9:23:14 to 9:28:14	09:23:18	BD	1	200	240	
2008-10-07	23		9:43:14 to 9:48:14	09:46:06	I	1	200	235	
2008-10-07	23		9:48:14 to 9:53:14						NTD
2008-10-07	23	10:03 to 12:03	10:08:14 to 10:13:14	10:11:28	BD	1		260	LOW
2008-10-07	23			10:11:39	BD	1	875	185	
2008-10-07	23		10:23:14 to 10:28:14	10:23:53	BD	1	900	250	
2008-10-07	23		10:43:14 to 10:48:14	10:43:45	BD	3	525	235	
2008-10-07	23			10:44:23	BD	1	900	265	
2008-10-07	23			10:44:52	BD	1	800	205	
2008-10-07	23			10:46:15	I	1	175	225	
2008-10-07	23		10:48:14 to 10:53:14	10:49:07	BD	1	625	245	
2008-10-07	23		11:08:14 to 11:13:14						NTD
2008-10-07	23		11:18:14 to 11:23:14						NTD
2008-10-07	23		11:38:14 to 11:43:14						NTD

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-07	23		11:53:14 to 11:58:14	11:54:47	BD	1	850	230	
2008-10-07	23			11:55:16	BD	1		265	
2008-10-08	23	0:05 to 2:05	015 to 020	00:19:02	BD	1		70	
2008-10-08	23		025 to 030						CLOUDS
2008-10-08	23		040 to 045	00:44:10	BD	1	600	150	
2008-10-08	23		055 to 100						NTD
2008-10-08	23		110 to 115	01:10:04	BT	1	250	190	
2008-10-08	23			01:11:14	BD	1	525	65	
2008-10-08	23			01:12:28	I	1		250	
2008-10-08	23			01:13:17	BD	1	625	145	
2008-10-08	23		125 to 130	01:25:50	I	1	250	80	
2008-10-08	23			01:28:17	BD	1	175	220	
2008-10-08	23			01:29:24	BD	1	800	55	
2008-10-08	23		145 to 150	01:49:40	BD	1		110	
2008-10-08	23		150 to 155	01:52:53	BD	1	300	345	
2008-10-08	23	2:05 to 4:05	215 to 220	02:15:15	BD	1		175	
2008-10-08	23			02:16:49	BD	1		205	
2008-10-08	23		230 to 235	02:32:54	BD	1	250	205	
2008-10-08	23			02:33:53	BD	1	325	180	
2008-10-08	23		235 to 240	02:35:44	BD	1		335	
2008-10-08	23		255 to 300	02:59:05	BD	1	825	150	
2008-10-08	23			02:59:55	BD	1	525	70	
2008-10-08	23		305 to 310	03:08:31	I	1		150	
2008-10-08	23		325 to 330						CLOUDS
2008-10-08	23		340 to 345						NTD
2008-10-08	23		400 to 405						NTD
2008-10-08	23			04:02:15	BT	1		310	
2008-10-08	23			04:02:43	BD	1	1200	45	
2008-10-08	23			04:03:05	BD	1		115	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-08	23			04:03:41	I	1		125	
2008-10-08	23	4:05 to 6:05	415 to 420	04:19:46	I	1		160	
2008-10-08	23		430 to 435						CLOUDS
2008-10-08	23		445 to 450						CLOUDS
2008-10-08	23		500 to 505	05:01:53	BD	1	950	215	
2008-10-08	23		510 to 515						NTD
2008-10-08	23		525 to 530	05:26:45	I	1		130	LOW
2008-10-08	23			05:27:37	BD	1		205	
2008-10-08	23		545 to 550	05:45:06	BD	1	1400	260	
2008-10-08	23		600 to 605						NTD
2008-10-08	23	6:05 to 8:05	610 to 615						CLOUDS
2008-10-08	23		630 to 635						CLOUDS
2008-10-08	23		645 to 650						NTD
2008-10-08	23		650 to 655						CLOUDS
2008-10-08	23		715 to 720	07:16:14	BD	1	975	70	
2008-10-08	23		730 to 735	07:31:16	BD	1	600	65	
2008-10-08	23		745 to 750						NTD
2008-10-08	23		750 to 755						NTD
2008-10-08	23	20:12 to 22:12	2022 to 2027						NTD
2008-10-08	23		2027 to 2032						NTD
2008-10-08	23		2052 to 2057						NTD
2008-10-08	23		2107 to 2112						NTD
2008-10-08	23		2117 to 2122	21:17:55	BD	1	450	10	
2008-10-08	23		2137 to 2142						NTD
2008-10-08	23		2152 to 2157						CLOUDS
2008-10-08	23		2157 to 2202						CLOUDS
2008-10-08	23	22:12 to 00:12	2222 to 2227						CLOUDS
2008-10-08	23		2232 to 2237						CLOUDS
2008-10-08	23		2252 to 2257						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-08	23		2307 to 2312						CLOUDS
2008-10-08	23		2312 to 2317						CLOUDS
2008-10-08	23		2327 to 2332						CLOUDS
2008-10-08	23		2347 to 2352						CLOUDS
2008-10-08	23		0002 to 0007						CLOUDS
2008-10-09	23	0012 to 0212	0017 to 0022						CLOUDS
2008-10-09	23		0027 to 0032						CLOUDS
2008-10-09	23		0047 to 0052						CLOUDS
2008-10-09	23		102 to 107						CLOUDS
2008-10-09	23		112 to 117						CLOUDS
2008-10-09	23		127 to 132						CLOUDS
2008-10-09	23		152 to 157						CLOUDS
2008-10-09	23		207 to 212						CLOUDS
2008-10-09	23	0212 to 0412	217 to 222						CLOUDS
2008-10-09	23		237 to 242						CLOUDS
2008-10-09	23		257 to 302						CLOUDS
2008-10-09	23		307 to 312						CLOUDS
2008-10-09	23		312 to 317						CLOUDS
2008-10-09	23		332 to 337						CLOUDS
2008-10-09	23		347 to 352						CLOUDS
2008-10-09	23		357 to 402						CLOUDS
2008-10-09	23	19:45 to 21:45							
2008-10-09	23		1950 to 1955						CLOUDS
2008-10-09	23		2000 to 2005						CLOUDS
2008-10-09	23		2020 to 2025						CLOUDS
2008-10-09	23		2040 to 2045	20:43:25	I	1		80	LOW
2008-10-09	23		2050 to 2055	20:52:32	I	1		260	LOW
2008-10-09	23		2110 to 2115						CLOUDS
2008-10-09	23		2120 to 2125						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-09	23		2130 to 2135	21:34:38	I	1		80	LOW
2008-10-09	23	21:45 to 23:45	2155 to 2200						CLOUDS
2008-10-09	23		2205 to 2210						CLOUDS
2008-10-09	23		2225 to 2230	22:27:41	I	1		80	LOW
2008-10-09	23			22:28:04	I	1		305	LOW
2008-10-09	23		2230 to 2235						CLOUDS
2008-10-09	23		2245 to 2250						CLOUDS
2008-10-09	23		2310 to 2315						CLOUDS
2008-10-09	23		2315 to 2320						CLOUDS
2008-10-09	23		2330 to 2335						CLOUDS
2008-10-10	23	07:10:30 to 09:10:32							
2008-10-10	23		720 to 725	07:20:31	BD	1	175	variable	
2008-10-10	23			07:20:57	BD	1	350	155	
2008-10-10	23			07:21:43	BD	1	825	155	
2008-10-10	23			07:21:56	BD	1	775	170	
2008-10-10	23			07:22:09	BD	1	625	170	
2008-10-10	23			07:22:40	I	1		110	
2008-10-10	23			07:24:15	BD	1	375	220	
2008-10-10	23		735 to 740						CLOUDS
2008-10-10	23		745 to 750						CLOUDS
2008-10-10	23		800 to 805						CLOUDS
2008-10-10	23		820 to 825						CLOUDS
2008-10-10	23		830 to 835	08:32:53	BD	1	350	95	
2008-10-10	23			08:33:38	BD	1		210	LOW
2008-10-10	23		840 to 845						NTD
2008-10-10	23		905 to 910	09:05:02	BD	1	1050	225	
2008-10-10	23			09:08:48	BD	1	900	205	
2008-10-10	23			09:09:57	BD	1		210	LOW
2008-10-10	23	9:10 to 11:10	920 to 925	09:20:10	BD	1	675	215	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-10	23			09:23:41	BD	1	750	235	
2008-10-10	23		930 to 935	09:30:24	BD	1	700	210	
2008-10-10	23			09:31:39	BD	1		300	LOW
2008-10-10	23			09:31:53	BD	1	900	240	
2008-10-10	23			09:32:39	BD	1	175	300	
2008-10-10	23			09:34:13	BD	1	725	220	
2008-10-10	23			09:34:58	BD	1	775	235	
2008-10-10	23		945 to 950	09:47:37	BD	1	725	150	
2008-10-10	23			09:49:07	BD	1	150	225	
2008-10-10	23		1005 to 1010	10:08:20	BD	1	200	210	
2008-10-10	23			10:09:26	BD	1	875	250	
2008-10-10	23			10:09:43	BD	1	825	200	
2008-10-10	23		1010 to 1015	10:13:00	BD	1	775	230	
2008-10-10	23		1025 to 1030	10:25:41	BD	1	875	225	
2008-10-10	23			10:26:20	BD	1	375	95	
2008-10-10	23		1040 to 1045	10:40:45	BD	1	775	240	
2008-10-10	23		1100 to 1105						NTD
2008-10-10	23	11:10 to 13:10	1120 to 1125						NTD
2008-10-10	23		1125 to 1130						NTD
2008-10-10	23		1145 to 1150						NTD
2008-10-10	23		1205 to 1210						
2008-10-10	23		1215 to 1220						NTD
2008-10-10	23		1235 to 1240	12:35:27	BD	1	600	220	
2008-10-10	23			12:35:44	BD	1	1000	260	
2008-10-10	23			12:37:45	BD	1	575	225	
2008-10-10	23			12:37:51	BD	1	450	230	
2008-10-10	23		1240 to 1245	12:40:33	BD	5	975	260	
2008-10-10	23			12:42:52	BD	1	400	220	
2008-10-10	23			12:43:25	BD	1	275	220	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-10	23			12:44:12	I	1	200	220	
2008-10-10	23		1255 to 1300	12:55:52	BD	1		210	LOW
2008-10-10	23			12:57:17	BD	1	175	215	
2008-10-10	23			12:57:22	BD	1	300	210	
2008-10-10	23								
2008-10-10	23			12:59:17	BD	1		220	LOW
2008-10-10	23			12:59:59	BD	1	300	210	
2008-10-10	23	13:10 to 15:10	1320 to 1325	13:20:05	BD	1	525	225	
2008-10-10	23			13:21:09	BD	1	600	260	
2008-10-10	23			12:23:14	BD	1	575	215	
2008-10-10	23		1335 to 1340	13:35:15	BD	2	200	220	
2008-10-10	23			13:35:51	BD	1	375	225	
2008-10-10	23							235	LOW
2008-10-10	23			13:38:21	BD	1	850	270	
2008-10-10	23			13:38:35	BD	1	250	215	
2008-10-10	23		1345 to 1350						NTD
2008-10-10	23		1355 to 1400	13:57:34	BD	1	1275	220	
2008-10-10	23		1415 to 1420						NTD
2008-10-10	23		1425 to 1430	14:28:24	BD	1		95	LOW
2008-10-10	23		1440 to 1445	14:41:29	BD	1		variable	LOW
2008-10-10	23			14:41:56	BD	1		120	LOW
2008-10-10	23		1505 to 1510	15:05:05	BD	1		215	LOW
2008-10-11	23	6:07 to 08:07	612 to 617	6:13:57	BD	1	675	255	
2008-10-11	23							230	Fast
2008-10-11	23							235	Faint
2008-10-11	23			6:15:25	BD	1	275	220	
2008-10-11	23			6:15:36	I	2	150	200	
2008-10-11	23		622 to 627	6:22:08	BD	1		255	LOW
2008-10-11	23			6:22:13	BD	1	250	260	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-11	23		642 to 647	6:43:14	BD	1	275	260	
2008-10-11	23			6:43:18	BD	1	1000	235	
2008-10-11	23			6:44:06	BD	1	1100	260	
2008-10-11	23			6:44:13	BD	1	150	250	
2008-10-11	23		652 to 657	6:54:41	BD	1	175	240	
2008-10-11	23			6:56:43	I	1		245	
2008-10-11	23			6:56:54	BD	1	325	245	
2008-10-11	23		717 to 722	7:17:56	BD	1	500	260	
2008-10-11	23			7:19:01	BD	1	375	120	
2008-10-11	23			7:19:05	BD	1	175	250	
2008-10-11	23			7:19:38	BD	1	350	325	
2008-10-11	23								
2008-10-11	23		722 to 727	7:22:04	BD	1	1225	250	
2008-10-11	23			7:22:32	BD	1	200	260	
2008-10-11	23			7:23:28	BD	1	2.3?	195	
2008-10-11	23			7:23:32	BD	1	450	265	
2008-10-11	23			7:23:40	BD	1	500	180	
2008-10-11	23			7:23:50	BD	1	900	260	
2008-10-11	23			7:24:43	BD	1		305	LOW
2008-10-11	23		737 to 742	7:37:52	BD	1		265	LOW
2008-10-11	23			7:38:42	BD	1	650	245	
2008-10-11	23			7:38:48	BD	1	275	245	
2008-10-11	23			7:40:02	BD	1	575	235	
2008-10-11	23			7:40:35	BD	1	475	255	
2008-10-11	23			7:40:58	BD	1	550	265	
2008-10-11	23							225	
2008-10-11	23			7:41:16	BD	1	1000	220	
2008-10-11	23			7:41:27	BD	1	275	285	
2008-10-11	23		752 to 757	7:52:06	BD	1	150	255	



Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-11	23			7:54:24	BD	1	2		
2008-10-11	23			7:54:52	BD	1	1100	250	
2008-10-11	23			7:55:21	BD	1	600	225	
2008-10-11	23			7:56:09	BD	1		300	LOW
2008-10-11	23			7:56:34	I	1	350	350	
2008-10-11	23			7:56:46	BD	1	650	250	
2008-10-11	23	807 to 907	812 to 817						UTV
2008-10-11	23			8:12:40	BD	1	600	240	
2008-10-11	23			8:14:45	BD	1	850	270	
2008-10-11	23			8:15:51	BD	1		305	LOW
2008-10-11	23			8:16:03	BD	1	525	45	
2008-10-11	23			8:16:09	BD	1	1050	250	
2008-10-11	23			8:16:42	BD	1	750	255	
2008-10-11	23			8:16:45	BD	1	500	250	
2008-10-11	23			8:16:53	BD	1			LOW
2008-10-11	23		832 to 837	8:32:00	I	1	300	225	
2008-10-11	23			8:33:10	I	1	125	225	
2008-10-11	23			8:33:35	BD	1	925	245	
2008-10-11	23			8:33:48	I	1		220	LOW
2008-10-11	23			8:34:26	BD	1	650	270	
2008-10-11	23			8:34:47	BD	1	800	250	
2008-10-11	23			8:34:52	BD	1	175	290	
2008-10-11	23			8:35:56	BD	1	500	255	
2008-10-11	23		847 to 852	8:47:25	BD	1	375	260	
2008-10-11	23			8:48:17	BD	1	575	255	
2008-10-11	23			8:48:34	I	1	125	220	
2008-10-11	23			8:49:19	BD	1	875	65	
2008-10-11	23			8:50:25	BD	1	450	variable	
2008-10-11	23			8:50:27	BD	1	250	240	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-11	23			8:51:24	BD	1	300	250	
2008-10-11	23								
2008-10-11	23								
2008-10-11	23			8:56:50	BD	1	250	230	
2008-10-11	23		902 to 907	9:02:07	I	1	125	235	
2008-10-11	23			9:02:49	BD	1	300	255	
2008-10-11	23			9:04:12	I	1		210	
2008-10-11	23			9:04:37	I	1	300		
2008-10-11	23			9:05:05	BD	1	525	260	
2008-10-11	23			9:06:07	BD	1	375	280	
2008-10-11	23	907 to 1007	912 to 917	9:13:07	BD	1	900	250	
2008-10-11	23			9:14:00	BD	1	300	300	
2008-10-11	23			9:14:55	I	1	125	295	
2008-10-11	23			9:15:07	BD	1	900	280	
2008-10-11	23			9:16:04	BD	1	500	250	
2008-10-11	23		932 to 937	9:33:00	BD	1	300	255	
2008-10-11	23			9:35:16	BD	1		290	LOW
2008-10-11	23			9:35:22	BD	1	875	245	
2008-10-11	23			9:36:00	BD	1	550	240	
2008-10-11	23		937 to 942	9:38:05	I	1		240	LOW
2008-10-11	23			9:38:36	BD	1	775	240	
2008-10-11	23		952 to 957	9:53:52	BD	1	750	270	
2008-10-11	23			9:54:38	BD	1	375	280	
2008-10-11	23			9:56:43	BD	1	550	270	
2008-10-11	23	1007 to 1107	1017 to 1022	10:18:50	BD	1	950	270	
2008-10-11	23			10:20:44	BD	1	450	280	
2008-10-11	23		1027 to 1032	10:27:06	BD	1	550	225	
2008-10-11	23			10:27:51	BD	1	750	300	
2008-10-11	23			10:28:26	BD	1	450	280	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-11	23			10:29:29	BD	1	650	260	
2008-10-11	23			10:30:06	BD	1	450	220	
2008-10-11	23			10:31:24	BD	1	800	270	
2008-10-11	23			10:31:27	BD	1	800	255	
2008-10-11	23		1037 to 1042	10:37:02	BD	1	300	280	
2008-10-11	23			10:37:03	BD	1	300	280	
2008-10-11	23		1102 to 1107	11:04:03	BD	6	850	270	
2008-10-11	23	1107 to 1207	1107 to 1112	11:08:21	BD	8	1500		
2008-10-11	23			11:09:13	BD	15	1200		
2008-10-11	23			11:09:43	BD	1	900		
2008-10-11	23			11:09:57	BD	6	900		
2008-10-11	23			11:10:03	BD	6	1200		
2008-10-11	23		1122 to 1127	11:23:48	BD	1	900		
2008-10-11	23			11:26:10	BD	12	1200		
2008-10-11	23		1142 to 1147	11:42:38	BD	3	950	270	
2008-10-11	23			11:43:10	BD	1	350	260	
2008-10-11	23			11:44:10	BD	15	650	260	
2008-10-11	23			11:45:14	BD	1	350	250	
2008-10-11	23			11:45:47	BD	1	900	230	
2008-10-11	23			11:46:47	BD	1		260	
2008-10-11	23		1152 to 1157						NTD
2008-10-11	23	1207 to 1307	1217 to 1222	12:17:00	BD	1	350	270	
2008-10-11	23			12:17:16	BD	1	1200		
2008-10-11	23	2 ok		12:19:41	BD	1	275	270	
2008-10-11	23			12:21:09	BD	1		0	
2008-10-11	23		1227 to 1232	12:27:01	BD	1	900		
2008-10-11	23			12:28:49	BD	2	600		
2008-10-11	23			12:28:50	BD	2	900		
2008-10-11	23		1237 to 1242						NTD

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-11	23		1257 to 1302	12:58:15	BD	1	325	270	
2008-10-11	23			12:59:20	BD	2	500	270	
2008-10-11	23			1:01:09	BD	1		290	
2008-10-11	23								
2008-10-11	23	1307 to 1407	1317 to 1322	13:18:48	BD	1		300	
2008-10-11	23			13:19:49	I	1		240	
2008-10-11	23			13:21:19	BD	1	750	270	
2008-10-11	23			13:21:25	BD	1	750	270	
2008-10-11	23		1327 to 1332	13:27:04	BD	1	1100	300	
2008-10-11	23			13:28:30	BD	1	1050	260	
2008-10-11	23		1347 to 1352						NTD
2008-10-11	23		1402 to 1407	14:02:00	BD	1		0	LOW
2008-10-12	23	12:03:52 to 8:03:52							
2008-10-12	23	1203 to 103	1208 to 1213	12:12:09	I	1			
2008-10-12	23			12:12:42	I	1			
2008-10-12	23		1223 to 1228	12:23:53	I	1		255	
2008-10-12	23			12:27:06	BD	1	275	240	
2008-10-12	23		1233 to 1238	12:33:15	BT	1	1		
2008-10-12	23			12:34:19	BD	1		230	LOW
2008-10-12	23			12:36:45	I	1		235	LOW
2008-10-12	23		1258 to 103						NTD
2008-10-12	23	103 to 203	113 to 118	1:14:28	I	1		270	LOW
2008-10-12	23			1:14:36	BD	1	475	270	
2008-10-12	23			1:16:29	BD	1	425	285	
2008-10-12	23			1:17:53	BD	1	1175	310	
2008-10-12	23		128 to 133	1:31:29	BD	1	1500	245	
2008-10-12	23			1:31:51	BD	1	950	175	
2008-10-12	23		133 to 138	1:34:25	I	1		275	
2008-10-12	23			1:35:09	I	1		270	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-12	23			1:37:21	I	1		280	
2008-10-12	23		148 to 153						CLOUDS
2008-10-12	23	203 to 303	208 to 213	2:08:33	BD	1	3		
2008-10-12	23								
2008-10-12	23		223 to 228	2:26:06	BT	1	675	290	
2008-10-12	23		233 to 238	2:34:02	BD	1	6		
2008-10-12	23			2:36:37	BD	1	1		
2008-10-12	23								
2008-10-12	23		248 to 253	2:51:34	I	1			
2008-10-12	23								
2008-10-12	23	303 to 403	303 to 308						NTD
2008-10-12	23		328 to 333	3:50:58	I	1			
2008-10-12	23								
2008-10-12	23								
2008-10-12	23		343 to 348	3:44:48	BT	1	1		
2008-10-12	23			3:45:24	I	1			CLOUDS
2008-10-12	23		358 to 403						
2008-10-12	23	403 to 503	403 to 408	4:04:42	BD	1	600	280	
2008-10-12	23		418 to 423	4:22:40	BD	1	1100	220	
2008-10-12	23		438 to 443					270	
2008-10-12	23			4:40:25	BD	1	600	280	
2008-10-12	23		458 to 503	5:00:37	I	1		295	LOW
2008-10-12	23			5:01:01	I	1		295	LOW
2008-10-12	23			5:02:07	BD	1	275	245	
2008-10-12	23	503 to 603	513 to 518	5:13:13	I	1		310	LOW
2008-10-12	23			5:13:18	I	1		310	LOW
2008-10-12	23		523 to 528	5:26:20	I	1		290	LOW
2008-10-12	23			5:26:31	I	1		295	LOW
2008-10-12	23		543 to 548						NTD

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-12	23		553 to 558						NTD
2008-10-12	23	603 to 703	608 to 613						NTD
2008-10-12	23		618 to 623	6:18:58	I	1		295	LOW
2008-10-12	23		633 to 638	6:35:38	BD	1	850		
2008-10-12	23			6:36:12	I	1		310	LOW
2008-10-12	23		653 to 658						NTD
2008-10-12	23	703 to 803	708 to 713						NTD
2008-10-12	23		718 to 723	7:20:47	I	1	150	270	
2008-10-12	23		733 to 738						NTD
2008-10-12	23		758 to 803	8:00:57	I	1		230	
2008-10-13	26	802 to 902	8:12:42 to 8:17:42						CLOUDS
2008-10-13	26		8:17:42 to 8:22:42						CLOUDS
2008-10-13	26		8:37:42 to 8:42:42						CLOUDS
2008-10-13	26		8:52:42 to 8:57:42						CLOUDS
2008-10-13	26	902 to 1002	9:07:42 to 9:12:42						CLOUDS
2008-10-13	26		9:17:42 to 9:22:42						CLOUDS
2008-10-13	26		9:37:42 to 9:42:42						CLOUDS
2008-10-13	26		9:47:42 to 9:52:42						CLOUDS
2008-10-13	26	1002 to 1102	10:02:42 to 10:07:42						CLOUDS
2008-10-13	26		10:17:42 to 10:22:42						CLOUDS
2008-10-13	26		10:42:42 to 10:47:42						CLOUDS
2008-10-13	26		10:47:42 to 10:52:42						CLOUDS
2008-10-13	26	1102 to 1202	11:12:42 to 11:17:42						NTD
2008-10-13	26		11:22:42 to 11:27:42						NTD
2008-10-13	26		11:37:42 to 11:42:42						CLOUDS
2008-10-13	26		11:52:42 to 11:57:42						CLOUDS
2008-10-13	26	1202 to 1302	12:12:42 to 12:17:42						CLOUDS
2008-10-13	26		12:17:42 to 12:22:42						CLOUDS
2008-10-13	26		12:32:42 to 12:37:42						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-13	26		12:57:42 to 13:02:42						CLOUDS
2008-10-13	26	1302 to 1402	13:12:42 to 13:17:42						CLOUDS
2008-10-13	26		13:22:42 to 13:27:42						CLOUDS
2008-10-13	26		13:32:42 to 13:37:42						CLOUDS
2008-10-13	26		13:57:42 to 14:02:42						CLOUDS
2008-10-13	26	1402 to 1502	14:07:42 to 14:12:42						CLOUDS
2008-10-13	26		14:22:42 to 14:27:42						CLOUDS
2008-10-13	26		14:32:42 to 14:37:42						CLOUDS
2008-10-13	26		14:57:42 to 15:02:42						CLOUDS
2008-10-13	26		15:07:42 to 15:12:42						CLOUDS
2008-10-13	26		15:27:42 to 15:32:42						CLOUDS
2008-10-13	26		15:32:42 to 15:37:42						CLOUDS
2008-10-13	26		15:47:42 to 15:52:42						CLOUDS
2008-10-14	26		4:22:09 to 4:27:09	04:23:42	BD	1	750	215	
2008-10-14	26			04:27:08	BD	1	625	250	
2008-10-14	26	0437 to 0537	4:37:09 to 4:42:09	04:37:09	BD	1	525	245	
2008-10-14	26			04:39:22	BD	1	275	290	
2008-10-14	26			04:39:25	BD	1	600	230	
2008-10-14	26			04:40:53	BD	1	175	240	
2008-10-14	26		4:52:09 to 4:57:09	04:53:07	BD	1	600	240	
2008-10-14	26			04:53:51	BD	1	550	230	
2008-10-14	26			04:54:04	BD	1	625	250	
2008-10-14	26			04:55:02	BD	1	1175	230	
2008-10-14	26			04:56:12	BD	1	750	245	
2008-10-14	26			04:56:34	BD	1	575	255	
2008-10-14	26		5:07:09 to 5:12:09	05:08:02	BD	1	600	270	
2008-10-14	26			05:08:26	BD	1	575	235	
2008-10-14	26			05:09:19	BD	1	600	345	
2008-10-14	26			05:10:29	BD	1	625	210	

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-14	26			05:10:31	BD	1	625	210	
2008-10-14	26		5:27:09 to 5:32:09	05:27:19	BD	1	975	240	
2008-10-14	26			05:28:01	BD	1	625	250	
2008-10-14	26			05:28:25	BD	1	900	185	
2008-10-14	26			05:28:33	BD	1	850	235	
2008-10-14	26			05:29:17	BD	1	925	245	
2008-10-14	26			05:30:24	BD	1	600	245	
2008-10-14	26			05:30:46	BD	1	900	225	
2008-10-14	26			05:31:19	BD	1	800	245	
2008-10-14	26	0537 to 0637	05:47:09 to 05:52:09	05:47:35	BD	1	950	250	
2008-10-14	26			05:48:49	BD	1	650	225	
2008-10-14	26			05:50:00	BD	1	300	335	
2008-10-14	26		6:02:09 to 6:07:09	06:02:38	BD	1	325	245	
2008-10-14	26			06:03:05	BD	1	600	240	
2008-10-14	26			06:03:05	BD	1	750	245	
2008-10-14	26			06:03:56	BD	1	850	235	
2008-10-14	26		6:17:09 to 6:22:09	06:21:56	BD	1	1175	185	
2008-10-14	26			06:22:03	BD	1	175	265	
2008-10-14	26		6:27:09 to 6:32:09	06:27:24	BD	1	300	240	
2008-10-14	26			06:28:41	BD	1	900	260	
2008-10-14	26			06:29:44	BD	1	625	245	
2008-10-14	26			06:30:49	BD	1	800	210	
2008-10-14	26	0637 to 0737	06:37:09 to 6:42:09	06:40:33	BD	1	350	220	
2008-10-14	26		7:02:09 to 7:07:09	07:03:23	BD	1	1175	180	
2008-10-14	26			07:03:53	BD	1	300	240	
2008-10-14	26			07:04:25	BD	1	500	220	
2008-10-14	26	0837 to 0937	8:37:09 to 8:42:09	08:39:00	BD	1	800	335	
2008-10-14	26		9:52:09 to 9:57:09	09:52:22	BD	1	450	65	
2008-10-14	26			08:41:56	I	1	150	285	



Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-14	26		09:32:09 to 9:37:09	09:33:39	I	1		305	
2008-10-14	26			09:55:06	I	1		315	LOW
2008-10-14	26			09:55:39	I	1		315	LOW
2008-10-14	26	0337 to 0437	3:47:09 to 3:52:09						CLOUDS
2008-10-14	26		3:52:09 to 3:57:09						CLOUDS
2008-10-14	26		4:12:09 to 4:17:09						CLOUDS
2008-10-14	26		7:07:09 to 7:12:09						NTD
2008-10-14	26		7:27:09 to 7:32:09						CLOUDS
2008-10-14	26	0737 to 0837	7:42:09 to 7:47:09						NTD
2008-10-14	26		8:02:09 to 8:07:09						CLOUDS
2008-10-14	26		8:07:09 to 8:12:09						CLOUDS
2008-10-14	26		8:22:09 to 8:27:09						NTD
2008-10-14	26		9:02:09 to 9:07:09						CLOUDS
2008-10-14	26		09:07:09 to 09:12:09						
2008-10-14	26	0937 to 1037	9:47:09 to 9:52:09						
2008-10-14	26		10:12:09 to 10:17:09						CLOUDS
2008-10-14	26		10:27:09 to 10:32:09						NTD
2008-10-14	26	1037 to 1107	10:47:09 to 10:52:09						CLOUDS
2008-10-14	26		10:57:09 to 11:02:09						CLOUDS
2008-10-14	26		11:17:09 to 11:22:09						CLOUDS
2008-10-14	26		11:32:09 to 11:37:09						NTD
2008-10-15	26	2051 to 2151	20:56:21 to 21:01:21	20:57:01	I	1		310	LOW
2008-10-15	26	2151 to 2251	21:51:21 to 21:56:21	21:55:18	I	1		330	LOW
2008-10-15	26		22:06:21 to 22:11:21	21:10:52	I	1		345	LOW
2008-10-15	26		21:06:21 to 21:11:21						NTD
2008-10-15	26		21:21:22 to 21:26:22						NTD
2008-10-15	26		21:36:21 to 21:41:21						NTD
2008-10-15	26		22:26:21 to 22:31:21						NTD
2008-10-15	26		22:41:21 to 22:46:21						NTD

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-15	26	2251 to 2351	23:01:21 to 23:06:21						NTD
2008-10-15	26		23:11:21 to 23:16:21						NTD
2008-10-15	26		23:21:21 to 23:26:21						NTD
2008-10-15	26		23:36:21 to 23:41:21						NTD
2008-10-15	26	2351 to 0051	23:51:21 to 23:56:21						NTD
2008-10-16	26		00:11:21 to 00:16:21	00:13:30	BD	9	2100	205	
2008-10-16	26	0051 to 0151	00:56:21 to 01:01:21	00:58:09	BD	1	325	325	
2008-10-16	26		02:26:21 to 02:31:21	02:30:15	BD	1	450	330	
2008-10-16	26		02:36:21 to 02:41:21	02:37:06	BD	1	1500	235	
2008-10-16	26			02:40:12	BD	1	900	115	
2008-10-16	26		03:06:21 to 03:11:21	03:07:24	BD	1	300	270	
2008-10-16	26			03:07:33	BD	1	1775	195	
2008-10-16	26	0351 to 0451	04:01:21 to 04:06:21	04:01:57	BD	1	1750	295	
2008-10-16	26		04:26:21 to 04:31:21	04:26:43	BD	1	150	300	
2008-10-16	26			04:29:58	BD	1	925	140	
2008-10-16	26		04:36:21 to 04:41:21	04:39:06	BD	1	225	330	
2008-10-16	26		01:26:21 to 01:31:21	01:28:03	I	1		315	
2008-10-16	26	0251 to 0351	03:01:21 to 03:06:21	03:01:38	I	1		35	
2008-10-16	26			03:05:28	I	1		0	
2008-10-16	26		03:26:21 to 03:31:21	03:31:06	I	1		30	
2008-10-16	26		03:46:21 to 03:51:21	05:51:01	I	1		10	
2008-10-16	26			04:02:27	I	1		15	
2008-10-16	26			04:29:06	I	1		350	
2008-10-16	26		1625 to 1630	16:29:20	I	1			LOW
2008-10-16	26		1735 to 1740	17:37:58	I	1			
2008-10-16	26	18:00 to 20:00	1805 to 1810	18:08:06	I	1			LOW
2008-10-16	26		00:31:21 to 00:36:21						NTD
2008-10-16	26		00:46:21 to 00:51:21						NTD
2008-10-16	26		01:06:21 to 01:11:21						

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-16	26		01:46:21 to 01:51:21						
2008-10-16	26	0151 to 0251	01:51:21 to 01:56:21						
2008-10-16	26		02:16:21 to 02:21:21						
2008-10-16	26		04:11:21 to 04:16:21						
2008-10-16	26	16:00 to 18:00	1610 to 1615						NTD
2008-10-16	26		1635 to 1640						CLOUDS
2008-10-16	26		1645 to 1650						NTD
2008-10-16	26		1710 to 1715						NTD
2008-10-16	26		1725 to 1730						NTD
2008-10-16	26		1750 to 1755						NTD
2008-10-16	26		1825 to 1830						NTD
2008-10-16	26		1835 to 1840						NTD
2008-10-16	26		1850 to 1855						NTD
2008-10-16	26		1910 to 1915						NTD
2008-10-16	26		1920 to 1925						NTD
2008-10-16	26		1940 to 1945						NTD
2008-10-16	26		1950 to 1955						CLOUDS
2008-10-16	26	20:00 to 22:00	2000 to 2005						CLOUDS
2008-10-16	26		2025 to 2030						CLOUDS
2008-10-16	26		2035 to 2040						CLOUDS
2008-10-16	26		2050 to 2055						CLOUDS
2008-10-16	26		2100 to 2105						CLOUDS
2008-10-16	26		2120 to 2125						CLOUDS
2008-10-16	26		2135 to 2140						CLOUDS
2008-10-16	26		2150 to 2155						CLOUDS
2008-10-16	26	22:00 to 00:00	2210 to 2215						CLOUDS
2008-10-16	26		2215 to 2220						CLOUDS
2008-10-16	26		2030 to 2035						CLOUDS
2008-10-16	26		2045 to 2050						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-16	26		2310 to 2315						CLOUDS
2008-10-16	26		2320 to 2325						CLOUDS
2008-10-16	26		2335 to 2340						CLOUDS
2008-10-16	26		2345 to 2350						CLOUDS
2008-10-17	26	12:05 to 14:05	1205 to 1210						CLOUDS
2008-10-17	26		1220 to 1225						CLOUDS
2008-10-17	26		1240 to 1245						CLOUDS
2008-10-17	26		1250 to 1255						CLOUDS
2008-10-17	26		1305 to 1310						CLOUDS
2008-10-17	26		1325 to 1330						CLOUDS
2008-10-17	26		1335 to 1340						CLOUDS
2008-10-17	26		1355 to 1400						CLOUDS
2008-10-17	26	14:05 to 16:05	1410 to 1415						CLOUDS
2008-10-17	26		1430 to 1435						CLOUDS
2008-10-17	26		1440 to 1445						CLOUDS
2008-10-17	26		1500 to 1505						CLOUDS
2008-10-17	26		1510 to 1515						CLOUDS
2008-10-17	26		1520 to 1525						CLOUDS
2008-10-17	26		1535 to 1540						CLOUDS
2008-10-17	26		1555 to 1600						CLOUDS
2008-10-17	26	16:05 to 18:05	1615 to 1620						CLOUDS
2008-10-17	26		1630 to 1635						CLOUDS
2008-10-17	26		1645 to 1650						CLOUDS
2008-10-17	26		1700 to 1705						CLOUDS
2008-10-17	26		1705 to 1710						CLOUDS
2008-10-17	26		1720 to 1725						CLOUDS
2008-10-17	26		1740 to 1745						CLOUDS
2008-10-17	26		1750 to 1755						CLOUDS
2008-10-17	26	18:05 to 20:05	1815 to 1820						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-17	26		1825 to 1830						CLOUDS
2008-10-17	26		1845 to 1850						CLOUDS
2008-10-17	26		1850 to 1855						CLOUDS
2008-10-17	26		1915 to 1920						CLOUDS
2008-10-17	26		1920 to 1925						CLOUDS
2008-10-17	26		1945 to 1950						CLOUDS
2008-10-17	26		1950 to 1955						CLOUDS
2008-10-18	26	7:55 to 9:55	800 to 805						CLOUDS
2008-10-18	26		815 to 820						CLOUDS
2008-10-18	26		825 to 830						CLOUDS
2008-10-18	26		840 to 845						CLOUDS
2008-10-18	26		855 to 900						CLOUDS
2008-10-18	26		910 to 915						CLOUDS
2008-10-18	26		930 to 935						CLOUDS
2008-10-18	26		950 to 955						CLOUDS
2008-10-18	26	9:55 to 11:55	1005 to 1010						CLOUDS
2008-10-18	26		1010 to 1015						CLOUDS
2008-10-18	26		1035 to 1040						CLOUDS
2008-10-18	26		1045 to 1050						CLOUDS
2008-10-18	26		1105 to 1110						CLOUDS
2008-10-18	26		1120 to 1125						CLOUDS
2008-10-18	26		1130 to 1135						CLOUDS
2008-10-18	26		1145 to 1150						CLOUDS
2008-10-18	26	12:51 to 14:51	1256 to 1301						CLOUDS
2008-10-18	26		1311 to 1316						CLOUDS
2008-10-18	26		1326 to 1331						CLOUDS
2008-10-18	26		1336 to 1341						CLOUDS
2008-10-18	26		1351 to 1356						CLOUDS
2008-10-18	26		1406 to 1411						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-18	26		1421 to 1426						CLOUDS
2008-10-18	26		1446 to 1451						CLOUDS
2008-10-18	26	14:51 to 15:51	1501 to 1506						CLOUDS
2008-10-18	26		1506 to 1511						CLOUDS
2008-10-18	26		1526 to 1531						CLOUDS
2008-10-18	26		1541 to 1546						CLOUDS
2008-10-19	26		551 to 556	05:55:46	BD	1			LOW
2008-10-19	26		411 to 416	04:12:56	I	1			LOW
2008-10-19	26	5:26 to 7:26	531 to 536	05:34:14	I	1			LOW
2008-10-19	26	3:26 to 5:26	326 to 331						CLOUDS
2008-10-19	26		351 to 356						CLOUDS
2008-10-19	26		356 to 401						CLOUDS
2008-10-19	26		436 to 441						CLOUDS
2008-10-19	26		441 to 446						CLOUDS
2008-10-19	26		506 to 511						CLOUDS
2008-10-19	26		511 to 516						CLOUDS
2008-10-19	26		601 to 606						CLOUDS
2008-10-19	26		616 to 621						CLOUDS
2008-10-19	26		626 to 631						CLOUDS
2008-10-19	26		641 to 646						CLOUDS
2008-10-19	26		706 to 711						CLOUDS
2008-10-19	26		716 to 721						CLOUDS
2008-10-19	26	7:26 to 9:26	736 to 741						CLOUDS
2008-10-19	26		741 to 746						CLOUDS
2008-10-19	26		806 to 811						CLOUDS
2008-10-19	26		811 to 816						CLOUDS
2008-10-19	26		826 to 831						CLOUDS
2008-10-19	26		846 to 851						CLOUDS
2008-10-19	26		856 to 901						CLOUDS

Table K-2 (continued). TI-VPR data from fall 2008 offshore. NTD = no targets detected, UTV = unable to view, FOG = foggy condition, CLOUDS = cloudy conditions, LOW = target too low in beam.

Date	Grid	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-10-19	26		911 to 916						CLOUDS
2008-10-19	26	9:26 to 11:26	936 to 941						CLOUDS
2008-10-19	26		946 to 951						CLOUDS
2008-10-19	26		956 to 1001						CLOUDS
2008-10-19	26		1016 to 1021						CLOUDS
2008-10-19	26		1031 to 1036						CLOUDS
2008-10-19	26		1041 to 1046						CLOUDS
2008-10-19	26		1056 to 1101						CLOUDS
2008-10-19	26		1111 to 1116						CLOUDS

Table K-3. TI-VPR data from spring 2009 offshore. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-05-12	Grid 16	00:10 to 02:10	00:20 to 00:25						NTD
2009-05-12			00:35 to 00:40						NTD
2009-05-12			00:45 to 00:50	00:46:03	BD	1		340	
2009-05-12			1:00 to 1:05						NTD
2009-05-12			1:15 to 1:20						NTD
2009-05-12			1:35 to 1:40						NTD
2009-05-12			1:50 to 1:55	1:50:05	I	1	275	10	
2009-05-12			1:55 to 2:00						NTD
2009-05-12	Grid 16	2:15 to 4:15	2:20 to 2:25	2:23:17	I	1		0	
2009-05-12			2:30 to 2:35	2:33:48	BD	1	400	0	
2009-05-12			2:55 to 3:00	2:55:25	BD	1	400	20	
2009-05-12				2:56:54	BD	1	375	10	
2009-05-12				2:57:19	BD	1	300	20	
2009-05-12				2:57:42	BD	1	275	10	
2009-05-12				2:57:47	BD	1	275	30	
2009-05-12				2:57:57	BD	1	300	10	
2009-05-12				2:58:52	I	1		15	LOW
2009-05-12			3:05 to 3:10	3:05:50	I	1		10	LOW
2009-05-12				3:06:07	BD	1	300	35	
2009-05-12				3:06:43	I	1		40	LOW
2009-05-12				3:06:47	I	1		5	LOW
2009-05-12				3:06:54	BD	1	300	10	
2009-05-12				3:07:15	BD	1	600	30	
2009-05-12			3:15 to 3:20						CLOUDS
2009-05-12			3:30 to 3:35						CLOUDS
2009-05-12			3:45 to 3:50	3:46:13	BD	1	850	10	
2009-05-12				3:49:39	BD	1	650	25	
2009-05-12			4:00 to 4:05	4:00:16	I	1		330	LOW



Table K-3 (continued). TI-VPR data from spring 2009 offshore. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-05-12	Grid 16	4:20 to 6:20	4:25 to 4:30						NTD
2009-05-12			4:35 to 4:40						NTD
2009-05-12			4:50 to 4:55	4:53:47	I	1		305	LOW
2009-05-12			5:05 to 5:10						NTD
2009-05-12			5:30 to 5:35	5:32:00	I	1	300	215	LOW
2009-05-12			5:40 to 5:45	5:41:41	I	1		310	LOW
2009-05-12				5:42:39	I	1		5	LOW
2009-05-12			5:50 to 5:55						CLOUDS
2009-05-12			6:15 to 6:20						NTD
2009-05-12	Grid 16	6:25 to 8:25	6:35 to 6:40						
2009-05-12			6:45 to 6:50	6:46:57	I	1		355	LOW
2009-05-12				6:49:13	I	1		210	LOW
2009-05-12				6:49:38	I	1		330	LOW
2009-05-12			7:05 to 7:10	7:07:20	I	1		215	LOW
2009-05-12			7:25 to 7:40						NTD
2009-05-12			7:40 to 7:45	7:44:54	I	1		335	LOW
2009-05-12			8:05 to 8:10	8:07:23	I	1		340	LOW
2009-05-12				8:08:38	I	1		290	LOW
2009-05-12			8:20 to 8:25						NTD
2009-05-12	Grid 16	9:50 to 11:50	9:50 to 9:55						CLOUDS
2009-05-12			10:10 to 10:15						CLOUDS
2009-05-12			10:20 to 10:25						CLOUDS
2009-05-12			10:45 to 10:50						CLOUDS
2009-05-12			11:00 to 11:05						NTD
2009-05-12			11:10 to 11:15						NTD
2009-05-12			11:30 to 11:35	11:32:28	I	1		variable	LOW
2009-05-12			11:45 to 11:50						NTD
2009-05-13	Grid 22	00:00 to 2:00	00:10 to 00:15						NTD
2009-05-13			00:20 to 00:25						NTD

Table K-3 (continued). TI-VPR data from spring 2009 offshore. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-05-13	Grid 22	00:00 to 2:00	00:40 to 00:45						NTD
2009-05-13			00:55 to 1:00						NTD
2009-05-13			1:05 to 1:10						NTD
2009-05-13			1:20 to 1:25						NTD
2009-05-13			1:30 to 1:35						NTD
2009-05-13			1:45 to 1:50						NTD
2009-05-13	Grid 22	2:05 to 3:05	2:10 to 2:15						NTD
2009-05-13			2:30 to 2:35	2:30:31	I	1		20	
2009-05-13				2:32:07	I	1		350	
2009-05-13			2:40 to 2:45	2:41:43	I	1		30	
2009-05-13				2:43:46	BD	1	425	25	
2009-05-13				2:44:14	BD	1	750	40	
2009-05-13			3:00 to 3:05	3:01:16	BD	1	150	20	
2009-05-13			3:15 to 3:20	3:17:27	BD	1	1050	50	
2009-05-13			3:30 to 3:35	3:31:05	BD	1	575	40	
2009-05-13				3:31:16	BD	1	425	30	
2009-05-13			3:45 to 3:50						NTD
2009-05-13			3:55 to 4:00	3:58:16	BD	1	675	10	
2009-05-13	Grid 22	4:10 to 6:10	4:20 to 4:25	4:22:14	BD	1	525	25	
2009-05-13				4:22:30	I	1		315	
2009-05-13				4:22:46	BD	1	300	50	
2009-05-13			4:35 to 4:40	4:37:49	BD	1	300	10	
2009-05-13			4:50 to 4:55						NTD
2009-05-13			5:00 to 5:05	5:02:14	BD	1	275	25	
2009-05-13			5:20 to 5:25	5:22:41	I	1		275	
2009-05-13				5:23:06	BD	1	275	15	
2009-05-13			5:25 to 5:30	5:25:36	BD	1	325	10	
2009-05-13			5:50 to 5:55	5:50:53	I	1		15	
2009-05-13			6:00 to 6:05						NTD

Table K-4. TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-08	22:00 to 23:00	22:00 to 2205						CLOUDS
2008-12-08		2220 to 2225						CLOUDS
2008-12-08		2235 to 2240						CLOUDS
2008-12-08		2245 to 2250						CLOUDS
2008-12-08	23:00 to 00:00	2310 to 2315						CLOUDS
2008-12-08		2315 to 2320						CLOUDS
2008-12-08		2335 to 2340						CLOUDS
2008-12-08		2355 to 00:00						CLOUDS
2008-12-09	00:00 to 01:00	0005 to 0010						CLOUDS
2008-12-09		0025 to 0030						CLOUDS
2008-12-09		0030 to 0035						CLOUDS
2008-12-09		0055 to 01:00						CLOUDS
2008-12-09	01:00 to 02:00	01:00 to 0105						CLOUDS
2008-12-09		0115 to 0120						CLOUDS
2008-12-09		0130 to 0135						CLOUDS
2008-12-09		0150 to 0155						CLOUDS
2008-12-09	02:00 to 03:00	0205 to 0210						CLOUDS
2008-12-09		0225 to 0230	02:26:39	BD	1	625	190	
2008-12-09		0230 to 0235						CLOUDS
2008-12-09		0255 to 03:00						CLOUDS
2008-12-09	03:00 to 04:00	0310 to 0315						CLOUDS
2008-12-09		0320 to 0325						CLOUDS
2008-12-09		0335 to 0340						CLOUDS
2008-12-09		0345 to 0350						CLOUDS
2008-12-09	04:00 to 05:00	0410 to 0415						CLOUDS
2008-12-09		0415 to 0420						CLOUDS
2008-12-09		0435 to 0440						CLOUDS
2008-12-09		0445 to 0450						CLOUDS
2008-12-09	05:00 to 06:00	05:00 to 0505						CLOUDS

Table K-4 (continued). TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-09		0520 to 0525						CLOUDS
2008-12-09		0540 to 0545						NTD
2008-12-09		0555 to 06:00						NTD
2008-12-09	18:41 to 19:41	1851 to 1856						CLOUDS
2008-12-09		1856 to 1901						CLOUDS
2008-12-09		1916 to 1921						CLOUDS
2008-12-09		1926 to 1931						CLOUDS
2008-12-09	19:41 to 20:41	1946 to 1951						CLOUDS
2008-12-09		1951 to 1956						CLOUDS
2008-12-09		1956 to 2001						CLOUDS
2008-12-09		2021 to 2026						CLOUDS
2008-12-09	21:21 to 23:21	2121 to 2126						CLOUDS
2008-12-09		2141 to 2146						CLOUDS
2008-12-09		2151 to 2156						CLOUDS
2008-12-09		2211 to 2216						CLOUDS
2008-12-09		2226 to 2231						CLOUDS
2008-12-09		2241 to 2246						CLOUDS
2008-12-09		2251 to 2256						CLOUDS
2008-12-09		2311 to 2316						CLOUDS
2008-12-09	23:21 to 01:21	2331 to 2336						CLOUDS
2008-12-09		2341 to 2346						CLOUDS
2008-12-09		2356 to 0001						CLOUDS
2008-12-10		0006 to 0011						CLOUDS
2008-12-10		0026 to 0031						CLOUDS
2008-12-10		0046 to 0051						CLOUDS
2008-12-10		0051 to 0056						CLOUDS
2008-12-10		0106 to 0111						CLOUDS
2008-12-13	02:19 to 03:19	0219 to 0224	02:20:50	BD	4	875	135	
2008-12-13			02:20:50	BD	1	248	210	

Table K-4 (continued). TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-13			02:21:12	BD	1	650	185	
2008-12-13			02:22:05	BD	1	200	170	
2008-12-13			02:22:06	BD	1	1050	175	
2008-12-13			02:23:32	BD	1	500	355	
2008-12-13			02:23:55	BD	1	350	310	
2008-12-13			02:24:18	BD	1	1050	180	
2008-12-13		0244 to 249	02:44:44	BD	1	600	165	
2008-12-13			02:46:02	BD	1	150	285	
2008-12-13			02:47:23	BD	1	2000	155	
2008-12-13			02:47:37	BD	1	950	165	
2008-12-13			02:48:22	BD	1	525	70	
2008-12-13			02:48:48	BD	1	575	170	
2008-12-13		259 to 304	02:59:37	BD	1	1100	185	
2008-12-13			03:00:18	BD	1	150	290	
2008-12-13			03:00:24	BD	1	300	190	
2008-12-13			03:00:44	BD	1	975	155	
2008-12-13			03:00:54	BD	1	150	180	
2008-12-13			03:02:26	BD	1	575	120	
2008-12-13			03:03:40	BD	1	1500	180	
2008-12-13		314 to 319	03:15:18	BD	1	225	180	
2008-12-13			03:17:54	BD	1	300	210	
2008-12-13			03:18:53	I	1	200	100	
2008-12-13	03:19 to 04:19	319 to 324	03:19:52	BD	1	550	185	
2008-12-13			03:20:21	BD	1	275	195	
2008-12-13			03:21:57	BD	1	300	185	
2008-12-13			03:22:06	BD	1	300	135	
2008-12-13			03:22:53	BD	1	475	190	
2008-12-13		339 to 344	03:43:23	BD	1	500	190	
2008-12-13		349 to 344	03:49:27	BD	1	600	180	

Table K-4 (continued). TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-13			03:50:19	BD	1	325	170	
2008-12-13			03:52:10	BD	1	875	80	
2008-12-13		0404 to 0409	04:05:15	BD	1	300	215	
2008-12-13			04:08:05	BD	1	125	220	
2008-12-13			04:08:24	BD	1	275		
2008-12-13	04:19 to 05:19	419 to 424	04:21:51	BD	1	200	280	
2008-12-13			04:22:09	BD	1	450	170	
2008-12-13			04:22:58	BD	1	625	180	
2008-12-13		439 to 444	04:42:15	BD	1		180	
2008-12-13			04:43:25	BD	1	1050	165	
2008-12-13		449 to 454	04:51:19	BD	1	400	195	
2008-12-13			04:51:43	BD	1	650	190	
2008-12-13			04:51:46	BD	1	900	150	
2008-12-13		509 to 514	05:11:30	BD	1		180	
2008-12-13			05:13:22	BD	1	200	355	
2008-12-13			05:13:36	BD	1	500	100	
2008-12-13	05:19 to 06:19	524 to 529	05:25:28	BD	1	400	190	
2008-12-13			05:28:44	BT	1	625	185	
2008-12-13		544 to 549	05:44:39	BD	1	525	210	
2008-12-13		549 to 554	05:49:33	BD	1	575	200	
2008-12-13			05:52:38	BT	1	1550	175	
2008-12-13		614 to 619						NTD
2008-12-13	06:19 to 07:19	619 to 624	06:21:30	BD	1	550	175	
2008-12-13		644 to 649						NTD
2008-12-13		659 to 704	07:01:16	BD	1	450	185	
2008-12-13			07:02:10	BD	1	700	175	
2008-12-13		709 to 714						NTD
2008-12-13	07:19 to 08:19	719 to 724	07:20:16	BD	1	300	195	
2008-12-13			07:20:22	BD	1	700	175	

Table K-4 (continued). TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-13		739 to 744						NTD
2008-12-13		749 to 754						NTD
2008-12-13		814 to 819						NTD
2008-12-13	08:19 to 09:19	824 to 829						NTD
2008-12-13		844 to 849	08:46:15	BD	1	275	170	
2008-12-13		849 to 854	08:49:32	BD	1	625	150	
2008-12-13		904 to 909						NTD
2008-12-13		929 to 934						NTD
2008-12-13		944 to 949						NTD
2008-12-13		949 to 954						NTD
2008-12-13		1004 to 1009						NTD
2008-12-13	12:19 to 13:19	1249 to 1254	12:52:05	BD	8	325	180	
2008-12-13		1314 to 1319						NTD
2008-12-13	13:19 to 14:19	1324 to 1329	13:29:15	BD	1		135	
2008-12-13			13:29:21	BD	1		140	
2008-12-13			13:29:23	BD	1		280	
2008-12-13		1339 to 1344						NTD
2008-12-13		1359 to 1404	14:04:49	BD	2		165	
2008-12-13		1404 to 1409						NTD
2008-12-13	14:19 to 15:19	1419 to 1424	14:21:23	BD	2		70	
2008-12-13		1444 to 1449						NTD
2008-12-13		1509 to 1514	15:10:25	BD	5	1300	215	
2008-12-13		1529 to 1534						NTD
2008-12-13		1534 to 1539						NTD
2008-12-13		1554 to 1559						NTD
2008-12-13		1609 to 1614	16:11:15	BD	1	300	65	
2008-12-13			16:12:22	BD	1	300		
2008-12-13	16:19 to 17:19	1624 to 1629						NTD
2008-12-13		1634 to 1639						NTD

Table K-4 (continued). TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-13		1654 to 1659						NTD
2008-12-13		1709 to 1714						NTD
2008-12-13		1729 to 1734						NTD
2008-12-13		1744 to 1749						NTD
2008-12-13		1754 to 1759						NTD
2008-12-13		1804 to 1809	18:05:21	BD	1		245	
2008-12-13	18:19 to 19:19	1819 to 1824						NTD
2008-12-13		1839 to 1844						NTD
2008-12-13		1859 to 1904						NTD
2008-12-13		1909 to 1914	19:10:56	I	1		135	
2008-12-13		1924 to 1929	19:27:11	BD	1	275	180	
2008-12-13			19:27:12	BD	1	175	175	
2008-12-13		1939 to 1944						NTD
2008-12-13		1949 to 1954	19:51:45	BD	1	200	350	
2008-12-13			19:53:27	BD	1	800	205	
2008-12-13		2004 to 2009	20:08:44	BD	3	575		
2008-12-13	20:19 to 21:19	2024 to 2029	20:23:38	I	1		55	
2008-12-13		2034 to 2039						NTD
2008-12-14	9:21 to 11:21	921 to 926						CLOUDS
2008-12-14		946 to 951						CLOUDS
2008-12-14		951 to 956						CLOUDS
2008-12-14		1006 to 1011						CLOUDS
2008-12-14		1026 to 1031						CLOUDS
2008-12-14		1046 to 1051						CLOUDS
2008-12-14		1051 to 1056						CLOUDS
2008-12-14		1116 to 1121						CLOUDS
2008-12-14	11:21 to 13:21	1131 to 1136						CLOUDS
2008-12-14		1141 to 1146						CLOUDS
2008-12-14		1151 to 1156						CLOUDS



Table K-4 (continued). TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-14		1206 to 1211						CLOUDS
2008-12-14		1226 to 1231						CLOUDS
2008-12-14		1236 to 1241						CLOUDS
2008-12-14		1301 to 1306						CLOUDS
2008-12-14		1306 to 1311						CLOUDS
2008-12-14	13:21 to 15:21	1321 to 1326						CLOUDS
2008-12-14		1346 to 1351						CLOUDS
2008-12-14		1356 to 1401						CLOUDS
2008-12-14		1411 to 1416						NTD
2008-12-14		1426 to 1431						NTD
2008-12-14		1441 to 1446						NTD
2008-12-14		1456 to 1501						NTD
2008-12-14		1506 to 1511						NTD
2008-12-14	15:21 to 17:21	1526 to 1531						NTD
2008-12-14		1536 to 1541						NTD
2008-12-14		1551 to 1556						NTD
2008-12-14		1611 to 1616						NTD
2008-12-14		1631 to 1636						CLOUDS
2008-12-14		1646 to 1651						CLOUDS
2008-12-14		1651 to 1656						CLOUDS
2008-12-14		1706 to 1711						CLOUDS
2008-12-15	5:04 to 7:04	509 to 514						CLOUDS
2008-12-15		519 to 524						CLOUDS
2008-12-15		539 to 544						CLOUDS
2008-12-15		559 to 604						CLOUDS
2008-12-15		604 to 609						CLOUDS
2008-12-15		619 to 624						CLOUDS
2008-12-15		634 to 639						CLOUDS
2008-12-15		659 to 704						CLOUDS

Table K-4 (continued). TI-VPR data for fall 2008 Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2008-12-15	7:04 to 9:04	714 to 719						CLOUDS
2008-12-15		724 to 729						CLOUDS
2008-12-15		734 to 739						CLOUDS
2008-12-15		749 to 754						CLOUDS
2008-12-15		804 to 809						CLOUDS
2008-12-15		819 to 824						CLOUDS
2008-12-15		839 to 844						CLOUDS
2008-12-15		854 to 859						CLOUDS
2008-12-15	9:04 to 11:04	9:04 to 9:09						CLOUDS
2008-12-15		9:19 to 9:24						CLOUDS
2008-12-15		9:34 to 9:39						CLOUDS
2008-12-15		9:54 to 9:59						CLOUDS
2008-12-15		10:14 to 10:19						CLOUDS
2008-12-15		10:29 to 10:34						CLOUDS
2008-12-15		10:39 to 10:44						CLOUDS
2008-12-15		10:59 to 11:04						CLOUDS
2008-12-15	11:04 to 13:04	11:09 to 11:14						CLOUDS
2008-12-15		11:19 to 11:24						CLOUDS
2008-12-15		11:44 to 11:49						CLOUDS
2008-12-15		11:49 to 11:54						CLOUDS
2008-12-15		12:09 to 12:14						CLOUDS
2008-12-15		12:29 to 12:34						CLOUDS
2008-12-15		12:39 to 12:44						CLOUDS
2008-12-15		12:59 to 13:04						CLOUDS

Table K-5. TI-VPR data for spring 2009 Island Beach State Park, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-03-21	23:01 to 01:10	23:10 to 23:15						CLOUDS
2009-03-21		23:20 to 23:25						CLOUDS
2009-03-21		23:30 to 23:35						CLOUDS
2009-03-21		23:45 to 23:50						CLOUDS
2009-03-21		00:00 to 00:05						CLOUDS
2009-03-21		00:20 to 00:25						CLOUDS
2009-03-21		00:35 to 00:40						CLOUDS
2009-03-21		00:55 to 1:00						CLOUDS
2009-03-21		1:10 to 3:10	1:19 to 1:24					
2009-03-21	1:34 to 1:39							CLOUDS
2009-03-21	1:49 to 1:54							CLOUDS
2009-03-21	1:54 to 1:59							CLOUDS
2009-03-21	2:09 to 2:14							CLOUDS
2009-03-21	2:29 to 2:34							CLOUDS
2009-03-21	2:44 to 2:49							CLOUDS
2009-03-21	2:59 to 3:04							CLOUDS
2009-03-21	16:00 to 18:00		16:01 to 16:06					
2009-03-21		16:16 to 16:21						NTD
2009-03-21		16:41 to 16:46						NTD
2009-03-21		16:46 to 16:51						NTD
2009-03-21		17:06 to 17:11	17:06:20	I	1		295	
2009-03-21			17:07:57	I	1		200	
2009-03-21			17:10:35	BD	1	1175	110	
2009-03-21			17:10:57	BD	1	2050	50	
2009-03-21			17:26 to 17:31					
2009-03-21		17:41 to 17:46	17:45:00	BD	1	1500	70	
2009-03-21			17:45:18	BD	1	1400	30	
2009-03-21		17:51 to 17:56	17:51:57	I	1		230	
2009-03-21			17:52:44	BD	1	1200	30	

Table K-5 (continued). TI-VPR data for spring 2009 Island Beach State Park, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-03-21			17:52:47	I	1		270	
2009-03-21			17:53:24	BD	1	1675	340	
2009-03-21			17:54:08	I	1		300	
2009-03-21			17:54:21	I	1		10	
2009-03-21			17:54:22	I	1		variable	
2009-03-21			17:54:42	I	1		variable	
2009-03-21	18:05 to 20:05	18:04:30 to 18:09:30						CLOUDS
2009-03-21		18:24:30 to 18:29:30						CLOUDS
2009-03-21		18:39:30 to 18:44:30	18:41:36	I	1		145	
2009-03-21		18:54:30 to 18:59:30						CLOUDS
2009-03-21		19:09:30 to 19:14:30						CLOUDS
2009-03-21		19:24:30 to 19:29:30						CLOUDS
2009-03-21		19:34:30 to 19:39:30	19:36:38	I	1		5	
2009-03-21			19:37:04	I	1		245	
2009-03-21			19:39:12	BD	1	1750	5	
2009-03-21		19:54:30 to 19:59:30						CLOUDS
2009-03-27	23:45 to 1:45	23:49:30 to 23:54:30						CLOUDS
2009-03-27		00:04:30 to 00:09:30						CLOUDS
2009-03-27		00:19:30 to 00:24:30						CLOUDS
2009-03-27		00:34:30 to 00:39:30						CLOUDS
2009-03-27		00:54:30 to 00:59:30						CLOUDS
2009-03-27		1:09:30 to 1:14:30						CLOUDS
2009-03-27		1:24:30 to 1:29:30						CLOUDS
2009-03-27		1:39:30 to 1:44:30						CLOUDS

Table K-6. TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-09-19	IBSP	23:27 to 00:27	23:32 to 23:37	23:33:07	I	1		0	
2009-09-19	IBSP			23:34:10	I	1	250	235	
2009-09-19	IBSP			23:34:56	I	1		variable	
2009-09-19	IBSP			23:35:11	I	1		10	
2009-09-19	IBSP			23:35:28	I	1	275	variable	
2009-09-19	IBSP		23:52 to 23:57	23:53:48	BD	1	300	240	
2009-09-19	IBSP			23:53:54	I	1		220	
2009-09-19	IBSP			23:54:44	I	1		5	
2009-09-19	IBSP			23:55:32	BD	1	1700	40	
2009-09-19	IBSP			23:56:29	BD	1	1125	25	
2009-09-19	IBSP			23:56:40	I	1		10	
2009-09-19	IBSP			23:56:56	BT	1	625	10	
2009-09-19	IBSP		00:07 to 00:12	00:07:31	BD	1	575	35	
2009-09-19	IBSP			00:07:54	BD	1	650	5	
2009-09-19	IBSP			00:10:52	BD	1	825	0	
2009-09-19	IBSP			00:11:06	I	1		5	
2009-09-19	IBSP			00:11:21	BD	1	300	30	
2009-09-19	IBSP		00:12 to 00:17	00:12:31	BD	1	2175	180	
2009-09-19	IBSP			00:13:18	BD	1	825	350	
2009-09-19	IBSP			00:13:25	I	1		variable	
2009-09-19	IBSP			00:14:42	BD	1	875	125	
2009-09-19	IBSP			00:14:50	BD	1	850	35	
2009-09-19	IBSP			00:15:09	I	1		30	
2009-09-19	IBSP			00:15:54	BD	1	625	350	
2009-09-19	IBSP			00:16:17	I	1		210	
2009-09-19	IBSP	00:33 to 01:33	00:34 to 00:39	00:35:51	I	1		variable	
2009-09-19	IBSP			00:35:57	BD	1	1075	345	
2009-09-19	IBSP			00:36:29	BD	1	500	170	
2009-09-19	IBSP			00:36:46	BD	1	2025	190	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-09-19	IBSP			00:37:23	BT	1	1500	35	
2009-09-19	IBSP		00:54 to 00:59	00:54:15	BD	1		190	
2009-09-19	IBSP			00:55:12	BD	1	1200	185	
2009-09-19	IBSP			00:57:33	BD	1	1550	180	
2009-09-19	IBSP		1:09:00 to 1:14:00	1:10:43	BD	1	750	175	
2009-09-19	IBSP			1:10:43	BD	1	950	180	
2009-09-19	IBSP			1:10:46	I	1		15	
2009-09-19	IBSP			1:12:45	BD	1	850	180	
2009-09-19	IBSP			1:13:32	BD	1	525	10	
2009-09-19	IBSP			1:13:50	BD	1	1125	180	
2009-09-19	IBSP			1:13:55	I	1		30	
2009-09-19	IBSP			1:13:56	BD	1	350	195	
2009-09-19	IBSP		1:29:00 to 1:34:00	1:29:08	BD	1	550	200	
2009-09-19	IBSP			1:29:30	BD	1	950	185	
2009-09-19	IBSP			1:29:33	BD	1	950	180	
2009-09-19	IBSP			1:30:20	I	1		20	
2009-09-19	IBSP			1:30:29	I	1		340	
2009-09-19	IBSP			1:31:34	BD	1		160	
2009-09-19	IBSP			1:33:15	BD	1	1875	180	
2009-09-19	IBSP			1:33:40	BD	1	450	180	
2009-09-19	IBSP			1:33:57	BD	1	850	170	
2009-09-19	IBSP	1:39 to 2:39	1:49:30 to 1:54:30	1:51:59	BD	1	500	20	
2009-09-19	IBSP			1:52:25	BD	1	1225	variable	
2009-09-19	IBSP			1:53:41	BD	1	500	variable	
2009-09-19	IBSP			1:54:14	I	1		185	
2009-09-19	IBSP			1:54:24	I	1		55	
2009-09-19	IBSP		1:54:30 to 1:59:30	1:54:39	BD	1	300	190	
2009-09-19	IBSP			1:56:44	I	1		10	
2009-09-19	IBSP			1:56:52	BD	1	1200	175	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-09-19	IBSP			1:57:53	BD	1	350	5	
2009-09-19	IBSP			1:58:20	BD	1	325	355	
2009-09-19	IBSP			1:58:21	BD	1	625	180	
2009-09-19	IBSP			1:58:26	I	1		30	
2009-09-19	IBSP			1:59:27	I	1		variable	
2009-09-19	IBSP			1:59:29	BD	1	175	25	
2009-09-19	IBSP		2:14:30 to 2:19:30	2:14:54	BD	1		5	
2009-09-19	IBSP			2:16:19	I	1		345	
2009-09-19	IBSP			2:18:17	BD	1	975	200	
2009-09-19	IBSP		2:29:30 to 2:34:30	2:30:16	BD	1	225	200	
2009-09-19	IBSP			2:31:46	BD	1	250	350	
2009-09-19	IBSP			2:31:58	BD	1	300	5	
2009-09-19	IBSP			2:32:44	BD	1	675	5	
2009-09-19	IBSP			2:33:11	BD	1	875	20	
2009-09-19	IBSP			2:34:09	BD	1	1025	175	
2009-10-20	Brigantine	23:55 to 00:55	0000 to 0005	00:04:09	I	1		0	
2009-10-20	Brigantine		0020 to 0025	00:20:41	BD	1	400	5	
2009-10-20	Brigantine			00:23:34	I	1		10	
2009-10-20	Brigantine			00:24:24	I	1		210	
2009-10-20	Brigantine		0030 to 0035	00:34:17	BD	1	825	205	
2009-10-20	Brigantine			00:34:44	BD	1	350	180	
2009-10-20	Brigantine		0045 to 0050	00:45:28	BD	1		160	
2009-10-20	Brigantine			00:45:33	BD	1	950	335	
2009-10-20	Brigantine			00:46:13	I	1		345	
2009-10-20	Brigantine	00:59 to 1:59	109 to 114	1:10:38	I	1		185	
2009-10-20	Brigantine			1:11:53	I	1		145	
2009-10-20	Brigantine			1:12:31	I	1		variable	
2009-10-20	Brigantine			1:14:04	I	1		110	
2009-10-20	Brigantine			1:14:40	I	1		200	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-10-20	Brigantine		114 to 119	1:14:44	I	1		140	
2009-10-20	Brigantine			1:14:45	I	1		0	
2009-10-20	Brigantine			1:15:26	I	1		0	
2009-10-20	Brigantine			1:16:14	I	1		190	
2009-10-20	Brigantine			1:16:29	I	1		200	
2009-10-20	Brigantine			1:17:30	I	1		150	
2009-10-20	Brigantine			1:17:56	I	1		270	
2009-10-20	Brigantine			1:18:26	I	1		190	
2009-10-20	Brigantine			1:18:31	I	1		335	
2009-10-20	Brigantine			1:18:35	BD	1	875	185	
2009-10-20	Brigantine			1:19:11	I	1		5	
2009-10-20	Brigantine		134 to 139	1:35:32	I	1		160	
2009-10-20	Brigantine			1:35:45	BD	1	1150	190	
2009-10-20	Brigantine			1:36:10	I	1		135	
2009-10-20	Brigantine			1:36:43	BD	1	975	155	
2009-10-20	Brigantine			1:36:56	I	1		195	
2009-10-20	Brigantine			1:37:35	I	1		145	
2009-10-20	Brigantine			1:37:55	I	1		345	
2009-10-20	Brigantine			1:38:03	BD	1	300	175	
2009-10-20	Brigantine			1:38:59	I	1		205	
2009-10-20	Brigantine			1:39:08	I	1		190	
2009-10-20	Brigantine			1:39:29	BD	1	1450	25	
2009-10-20	Brigantine			1:39:41	BD	1	1050	20	
2009-10-20	Brigantine		149 to 154	1:49:57	BD	1	925	25	
2009-10-20	Brigantine			1:50:05	I	1		325	
2009-10-20	Brigantine			1:51:19	I	1		340	
2009-10-20	Brigantine			1:51:25	I	1		175	
2009-10-20	Brigantine			1:51:38	I	1		200	
2009-10-20	Brigantine			1:52:23	BD	1	1625	15	



Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-10-20	Brigantine			1:53:21	I	1		200	
2009-10-20	Brigantine			1:53:32	I	1		200	
2009-10-20	Brigantine			1:53:37	I	1		200	
2009-11-03	Sea Isle City	21:30 to 22:23	2130 to 2135	21:30:50	I	5			LOW
2009-11-03	Sea Isle City			21:31:00	I	10			LOW
2009-11-03	Sea Isle City			21:31:22	I	3			LOW
2009-11-03	Sea Isle City		2150 to 2155						CLOUDS
2009-11-03	Sea Isle City		2210 to 2215						CLOUDS
2009-11-03	Sea Isle City		2215 to 2220						CLOUDS
2009-11-03	Sea Isle City	22:46 to 23:46	2246 to 2251						CLOUDS
2009-11-03	Sea Isle City		2306 to 2311						CLOUDS
2009-11-03	Sea Isle City		2326 to 2331	23:26:10	I	1		15	
2009-11-03	Sea Isle City			23:26:47	I	1		200	
2009-11-03	Sea Isle City			23:27:04	I	1		215	
2009-11-03	Sea Isle City			23:27:16	BD	1	350	130	
2009-11-03	Sea Isle City			23:27:43	I	1		10	
2009-11-03	Sea Isle City			23:28:27	I	1		145	
2009-11-03	Sea Isle City			23:28:55	BD	1	600	25	
2009-11-03	Sea Isle City			23:28:56	I	1		30	
2009-11-03	Sea Isle City			23:29:14	BD	1	1150	195	
2009-11-03	Sea Isle City			23:30:15	I	1		0	
2009-11-03	Sea Isle City			23:30:22	I	1		180	
2009-11-03	Sea Isle City		2336 to 2341	23:36:26	BD	1	1450	190	
2009-11-03	Sea Isle City			23:37:16	I	1		205	
2009-11-03	Sea Isle City			23:38:23	BD	1	525	25	
2009-11-03	Sea Isle City			23:38:24	BD	1		200	
2009-11-03	Sea Isle City			23:38:52	I	1		15	
2009-11-03	Sea Isle City			23:38:57	BD	1	1575	170	
2009-11-03	Sea Isle City			23:38:58	I	1		310	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-03	Sea Isle City			23:39:19	I	1		0	
2009-11-03	Sea Isle City			23:39:26	BD	1	1275	190	
2009-11-03	Sea Isle City			23:39:29	I	1		5	
2009-11-03	Sea Isle City			23:39:46	I	1		150	
2009-11-03	Sea Isle City			23:40:19	BD	1	1275	190	
2009-11-03	Sea Isle City			23:40:43	BD	1	2100	195	
2009-11-03	Sea Isle City			23:41:02	BD	1	900	250	
2009-11-03	Sea Isle City	23:51 to 00:51	2351 to 2356	23:51:38	I	1		90	
2009-11-03	Sea Isle City			23:51:58	I	1		100	
2009-11-03	Sea Isle City			23:52:31	I	1		30	
2009-11-03	Sea Isle City			23:52:51	BD	1	650	185	
2009-11-03	Sea Isle City			23:53:12	I	1		0	
2009-11-03	Sea Isle City			23:53:28	BD	1	1450	190	
2009-11-03	Sea Isle City			23:53:42	BD	1	550	215	
2009-11-03	Sea Isle City			23:54:03	I	1		variable	
2009-11-03	Sea Isle City			23:54:06	I	1		0	
2009-11-03	Sea Isle City			23:54:10	I	1		35	
2009-11-03	Sea Isle City			23:54:12	BT	1	725	230	
2009-11-03	Sea Isle City			23:54:33	I	1		15	
2009-11-03	Sea Isle City			23:54:42	BD	1	1725	210	
2009-11-03	Sea Isle City			23:55:01	BD	1	1125	215	
2009-11-03	Sea Isle City			23:55:31	I	1		5	
2009-11-03	Sea Isle City			23:55:50	I	1		120	
2009-11-03	Sea Isle City			23:55:56	I	1		5	
2009-11-03	Sea Isle City			23:55:57	I	1		270	
2009-11-03	Sea Isle City			23:55:58	I	1		variable	
2009-11-03	Sea Isle City			23:55:59	I	1		195	
2009-11-03	Sea Isle City			23:56:15	I	1		10	
2009-11-03	Sea Isle City		0011 to 0016	00:11:43	I	1		variable	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-03	Sea Isle City			00:11:53	BD	1	625	205	
2009-11-03	Sea Isle City			00:12:24	BD	1	800	180	
2009-11-03	Sea Isle City			00:12:41	I	1		60	
2009-11-03	Sea Isle City			00:12:50	BD	1	600	130	
2009-11-03	Sea Isle City			00:12:56	I	1		155	
2009-11-03	Sea Isle City			00:12:56	BD	1	2200	185	
2009-11-03	Sea Isle City			00:13:05	BD	1	750	205	
2009-11-03	Sea Isle City			00:13:07	I	1		45	
2009-11-03	Sea Isle City			00:13:16	BD	1	2100	190	
2009-11-03	Sea Isle City			00:13:39	I	1		variable	
2009-11-03	Sea Isle City			00:13:50	BD	1	500	235	
2009-11-03	Sea Isle City			00:13:56	I	1		55	
2009-11-03	Sea Isle City			00:14:13	I	1		5	
2009-11-03	Sea Isle City			00:14:35	BD	1	925	185	
2009-11-03	Sea Isle City			00:14:46	BD	1	950	175	
2009-11-03	Sea Isle City			00:14:54	I	1		355	
2009-11-03	Sea Isle City			00:15:06	BD	1	1675	205	
2009-11-03	Sea Isle City			00:15:52	BD	1	1175	155	
2009-11-03	Sea Isle City			00:15:58	I	1		25	
2009-11-03	Sea Isle City		0021 to 0026	00:21:58	BD	1	1375	185	
2009-11-03	Sea Isle City			00:22:20	I	1		100	
2009-11-03	Sea Isle City			00:24:28	I	1		325	
2009-11-03	Sea Isle City			00:24:47	I	1		350	
2009-11-03	Sea Isle City			00:25:00	BD	1	600	200	
2009-11-03	Sea Isle City			00:25:37	BD	1	800	110	
2009-11-03	Sea Isle City			00:25:45	BD	1	800	200	
2009-11-03	Sea Isle City		0041 to 0046	00:42:00	BD	1		190	
2009-11-03	Sea Isle City			00:42:02	I	1		195	
2009-11-03	Sea Isle City			00:42:12	BD	1	575	200	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-03	Sea Isle City			00:43:03	I	1		40	
2009-11-03	Sea Isle City			00:43:08	I	1		10	
2009-11-03	Sea Isle City			00:43:08	BD	1	650	135	
2009-11-03	Sea Isle City			00:43:14	BD	1	550	205	
2009-11-03	Sea Isle City			00:43:22	I	1		10	
2009-11-03	Sea Isle City			00:43:37	I	1		190	
2009-11-03	Sea Isle City			00:44:25	I	1		25	
2009-11-03	Sea Isle City			00:44:26	I	1		190	
2009-11-03	Sea Isle City			00:44:53	BD	1		190	
2009-11-03	Sea Isle City			00:44:59	I	1		210	
2009-11-03	Sea Isle City			00:45:01	I	1		5	
2009-11-03	Sea Isle City			00:45:05	I	1		180	
2009-11-03	Sea Isle City			00:45:33	BT	1	250	variable	
2009-11-03	Sea Isle City			00:45:40	BD	1	900	185	
2009-11-03	Sea Isle City			00:45:41	BD	1	175	195	
2009-11-03	Sea Isle City			00:45:42	BD	1	250	195	
2009-11-03	Sea Isle City			00:45:43	BD	1	250	35	
2009-11-03	Sea Isle City			00:45:54	I	1		95	
2009-11-03	Sea Isle City			00:46:13	I	1		160	
2009-11-03	Sea Isle City	00:55 to 1:55							
2009-11-03	Sea Isle City		100 to 105	1:01:12	BD	1	825	135	
2009-11-03	Sea Isle City			1:01:38	BD	1	650	95	
2009-11-03	Sea Isle City			1:01:52	I	1		60	
2009-11-03	Sea Isle City			1:03:41	BD	1	525	190	
2009-11-03	Sea Isle City			1:04:00	BD	1	850	20	
2009-11-03	Sea Isle City			1:04:48	BD	1	925	180	
2009-11-03	Sea Isle City			1:05:09	I	1		5	
2009-11-03	Sea Isle City			1:05:42	I	1		235	
2009-11-03	Sea Isle City		110 to 115	1:11:38	BD	1	1125	195	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-03	Sea Isle City			1:11:58	I	1		5	
2009-11-03	Sea Isle City			1:12:21	I	1		0	
2009-11-03	Sea Isle City			1:12:53	BD	1	1350	185	
2009-11-03	Sea Isle City			1:14:54	I	1		295	
2009-11-03	Sea Isle City			1:14:57	I	1		15	
2009-11-03	Sea Isle City			1:15:15	BD	1	1350	180	
2009-11-03	Sea Isle City			1:15:38	BD	1	1475	190	
2009-11-03	Sea Isle City		135 to 140	1:35:57	I	1		355	
2009-11-03	Sea Isle City			1:38:15	BD	5	300	125	
2009-11-03	Sea Isle City			1:38:34	BD	1	300	235	
2009-11-03	Sea Isle City			1:38:40	BD	1	825	175	
2009-11-03	Sea Isle City			1:39:11	BD	1	250	20	
2009-11-03	Sea Isle City			1:39:20	I	1		265	
2009-11-03	Sea Isle City			1:40:19	I	1		320	
2009-11-03	Sea Isle City			1:40:29	BD	1	225	225	
2009-11-03	Sea Isle City			1:40:31	BD	1	475	110	
2009-11-03	Sea Isle City		150 to 155	1:51:03	I	1		125	
2009-11-03	Sea Isle City			1:51:55	BD	1	1925	180	
2009-11-03	Sea Isle City			1:52:09	BD	1	275	20	
2009-11-03	Sea Isle City			1:52:10	I	1		340	
2009-11-03	Sea Isle City			1:52:16	I	1		195	
2009-11-03	Sea Isle City			1:52:18	I	1		10	
2009-11-03	Sea Isle City			1:52:35	BD	1	225	15	
2009-11-03	Sea Isle City			1:53:26	BD	1	200	20	
2009-11-03	Sea Isle City			1:54:07	BD	1	200	200	
2009-11-03	Sea Isle City			1:54:23	BD	1	1750	180	
2009-11-03	Sea Isle City			1:54:37	I	1		220	
2009-11-03	Sea Isle City			1:55:06	BD	1	350	215	
2009-11-03	Sea Isle City			1:55:54	I	1		variable	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-06	Sea Isle City	22:23 to 23:23	2223 to 2228						
2009-11-06	Sea Isle City			22:24:26	I	1		10	
2009-11-06	Sea Isle City								
2009-11-06	Sea Isle City			22:26:56	I	1	200	15	
2009-11-06	Sea Isle City		2248 to 2253	22:50:00	I	1		10	
2009-11-06	Sea Isle City			22:50:35	BD	1	750	235	
2009-11-06	Sea Isle City			22:50:44	BD	1	875	200	
2009-11-06	Sea Isle City			22:50:59	I	1		195	
2009-11-06	Sea Isle City			22:51:30	BD	1	700	190	
2009-11-06	Sea Isle City		2303 to 2308	23:03:57			375		
2009-11-06	Sea Isle City			23:06:29	BD	1	1850	180	
2009-11-06	Sea Isle City			23:07:20	BD	1	700	190	
2009-11-06	Sea Isle City			23:07:36	I	1		205	
2009-11-06	Sea Isle City			23:08:04	BD	1	925	190	
2009-11-06	Sea Isle City		2318 to 2323						
2009-11-06	Sea Isle City			23:19:53	BD	1	850	190	
2009-11-06	Sea Isle City			23:20:06	BD	7	275	205	
2009-11-06	Sea Isle City			23:21:01	BD	1	1125	170	
2009-11-06	Sea Isle City			23:21:39	BD	1	1075	210	
2009-11-06	Sea Isle City			23:22:26	BD	1	2200	195	
2009-11-06	Sea Isle City			23:23:08	BD	1	700	195	
2009-11-06	Sea Isle City	23:28 to 00:28	2333 to 2338						
2009-11-06	Sea Isle City			23:34:43	BD	1	1150	185	
2009-11-06	Sea Isle City			23:35:40	BD	1	1075	205	
2009-11-06	Sea Isle City			23:35:49	I	1		210	
2009-11-06	Sea Isle City			23:36:03	BD	1	925	180	
2009-11-06	Sea Isle City			23:36:37	BD	1	1875	210	
2009-11-06	Sea Isle City			23:37:04	BD	1	1700	150	
2009-11-06	Sea Isle City			23:37:31	BD	1	975	205	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-06	Sea Isle City			23:37:43	BD	1	325	195	
2009-11-06	Sea Isle City			23:37:43	BD	1	725	195	
2009-11-06	Sea Isle City		2343 to 2348						
2009-11-06	Sea Isle City			23:45:38	BD	1	1800	190	
2009-11-06	Sea Isle City			23:46:48	BD	1	975	210	
2009-11-06	Sea Isle City			23:47:15	I	1		200	
2009-11-06	Sea Isle City			23:47:21	I	1		190	
2009-11-06	Sea Isle City		0008 to 0013						
2009-11-06	Sea Isle City			00:10:20	BD	1	1500	195	
2009-11-06	Sea Isle City			00:10:26	BD	1	900	180	
2009-11-06	Sea Isle City			00:12:09	BD	1	1750	215	
2009-11-06	Sea Isle City			00:12:31	BD	1	750	210	
2009-11-06	Sea Isle City			00:12:48	BD	1	1575	215	
2009-11-06	Sea Isle City			00:13:11	BD	1	600	205	
2009-11-06	Sea Isle City		0013 to 0018	00:13:35	BD	1	675	195	
2009-11-06	Sea Isle City			00:13:36	BD	1	1150	205	
2009-11-06	Sea Isle City			00:15:05	BD	1	1450	190	
2009-11-06	Sea Isle City			00:15:11	BD	1	1425	200	
2009-11-06	Sea Isle City			00:15:42	BD	1	750	205	
2009-11-06	Sea Isle City			00:15:56	BD	1	1050	205	
2009-11-06	Sea Isle City			00:16:11	BD	1	950	210	
2009-11-06	Sea Isle City			00:16:48	BD	1	1375	195	
2009-11-06	Sea Isle City			00:16:52	BD	1	1375	200	
2009-11-06	Sea Isle City			00:17:12	I	1		210	
2009-11-06	Sea Isle City			00:17:46	BD	1	925	195	
2009-11-06	Sea Isle City			00:17:56	BD	1	925	195	
2009-11-06	Sea Isle City	00:34 to 01:34	0039 to 0044	00:40:04	BD	1	375	200	
2009-11-06	Sea Isle City			00:40:10	BD	1	900	205	
2009-11-06	Sea Isle City			00:42:36	BD	1	925	205	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-06	Sea Isle City			00:42:45	BD	1	675	205	
2009-11-06	Sea Isle City			00:42:47	BD	1	675	200	
2009-11-06	Sea Isle City			00:43:27	BD	1	1425	190	
2009-11-06	Sea Isle City			00:43:27	BD	1	1425	200	
2009-11-06	Sea Isle City		0054 to 0059	00:54:27	BD	1	950	210	
2009-11-06	Sea Isle City			00:54:27	BD	1	1200	175	
2009-11-06	Sea Isle City			00:54:54	I	1		200	
2009-11-06	Sea Isle City			00:56:33	BD	1	1025	205	
2009-11-06	Sea Isle City			00:56:44	BD	1	1450	205	
2009-11-06	Sea Isle City			00:57:10	BD	1	1475	195	
2009-11-06	Sea Isle City			00:58:28	BD	1	650	195	
2009-11-06	Sea Isle City			00:59:17	BD	1		215	
2009-11-06	Sea Isle City		109 to 114	1:09:57	BD	1	1500	205	
2009-11-06	Sea Isle City			1:10:15	BD	1	1250	100	
2009-11-06	Sea Isle City			1:10:19	BD	1	1250	205	
2009-11-06	Sea Isle City			1:10:58	BD	1	600	165	
2009-11-06	Sea Isle City			1:11:47	BD	1	1175	205	
2009-11-06	Sea Isle City			1:13:02	BD	1		215	
2009-11-06	Sea Isle City			1:13:30	BD	1	1750	215	
2009-11-06	Sea Isle City			1:14:08	I	1	0	210	
2009-11-06	Sea Isle City		124 to 129	1:24:29	BD	1	550	210	
2009-11-06	Sea Isle City			1:24:50	BD	1	1350	195	
2009-11-06	Sea Isle City			1:24:55	BD	1	1350	205	
2009-11-06	Sea Isle City			1:24:59	BD	1		195	
2009-11-06	Sea Isle City			1:24:59	BD	1		210	
2009-11-06	Sea Isle City			1:25:02	U	1		210	
2009-11-06	Sea Isle City			1:25:17	I	1		345	
2009-11-06	Sea Isle City			1:25:30	I	1	375	190	
2009-11-06	Sea Isle City			1:26:10	I	1		205	



Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-06	Sea Isle City			1:26:17	BD	1	1700	210	
2009-11-06	Sea Isle City			1:26:21	BD	1	1075	205	
2009-11-06	Sea Isle City			1:26:22	I	1		200	
2009-11-06	Sea Isle City			1:26:28	BD	2	875	205	
2009-11-06	Sea Isle City			1:26:28	U	1	1625	210	
2009-11-06	Sea Isle City			1:26:32	BD	1	1625	205	
2009-11-06	Sea Isle City			1:26:46	BD	1	2025	200	
2009-11-06	Sea Isle City			1:26:58	BD	1	1750	205	
2009-11-06	Sea Isle City			1:27:06	BD	1	1675	225	
2009-11-06	Sea Isle City			1:27:16	BD	1	1700	220	
2009-11-06	Sea Isle City			1:28:06	BD	1	2100	230	
2009-11-06	Sea Isle City			1:28:12	BD	1	2100	15	
2009-11-06	Sea Isle City			1:28:24	BD	1		220	
2009-11-06	Sea Isle City			1:28:28	BD	1		220	
2009-11-06	Sea Isle City			1:28:30	BD	1		220	
2009-11-06	Sea Isle City			1:29:14	BD	2	475	240	
2009-11-06	Sea Isle City	01:40 to 02:40	0145 to 0150	1:45:53	BD	1	1750	205	
2009-11-06	Sea Isle City			1:46:02	BD	1	1750	195	
2009-11-06	Sea Isle City			1:46:16	BD	1	2100	210	
2009-11-06	Sea Isle City			1:46:19	BD	1		210	
2009-11-06	Sea Isle City			1:46:38	BD	1	875	190	
2009-11-06	Sea Isle City			1:46:43	BD	1	650	225	
2009-11-06	Sea Isle City			1:48:00	BD	1	1200	205	
2009-11-06	Sea Isle City			1:48:10	BD	1	650	210	
2009-11-06	Sea Isle City			1:48:11	BD	1	675	205	
2009-11-06	Sea Isle City			1:48:15	BD	1	1500	210	
2009-11-06	Sea Isle City			1:48:26	BD	1	950	205	
2009-11-06	Sea Isle City			1:49:13	BD	1	825	195	
2009-11-06	Sea Isle City			1:49:37	BD	2	725	195	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-06	Sea Isle City			1:50:09	BD	1	1175	20	
2009-11-06	Sea Isle City			1:50:18	BD	1	1625	200	
2009-11-06	Sea Isle City		0155 to 0200	01:55:35	BD	1	1350	210	
2009-11-06	Sea Isle City			01:55:38	BD	1	1925	210	
2009-11-06	Sea Isle City			01:56:33	BD	1	1225	215	
2009-11-06	Sea Isle City			01:56:34	BD	1	775	210	
2009-11-06	Sea Isle City			01:56:38	BD	1	375	210	
2009-11-06	Sea Isle City			01:56:49	BD	1	1575	205	
2009-11-06	Sea Isle City			01:56:51	BD	1	1725	210	
2009-11-06	Sea Isle City			01:57:09	BD	1	775	210	
2009-11-06	Sea Isle City			01:57:10	BD	1	1700	215	
2009-11-06	Sea Isle City			01:57:31	BD	1	1225	210	
2009-11-06	Sea Isle City			01:57:33	BD	1	1225	225	
2009-11-06	Sea Isle City			01:57:36	BD	1	1900	205	
2009-11-06	Sea Isle City			01:58:26	BD	1	1200	160	
2009-11-06	Sea Isle City			01:58:48	BD	1		215	
2009-11-06	Sea Isle City			01:58:51	BD	1		215	
2009-11-06	Sea Isle City			01:58:58	BD	1	1350	225	
2009-11-06	Sea Isle City			01:59:01	BD	1		205	
2009-11-06	Sea Isle City			01:59:02	BD	1	800	215	
2009-11-06	Sea Isle City		0220 to 0225	02:20:38	BD	1	1400	205	
2009-11-06	Sea Isle City			02:20:54	BD	1	1275	215	
2009-11-06	Sea Isle City			02:21:09	BD	1	750	205	
2009-11-06	Sea Isle City			02:21:17	BD	1	1975	215	
2009-11-06	Sea Isle City			02:21:21	BD	1	1500	205	
2009-11-06	Sea Isle City			02:21:25	BD	1	1475	variable	
2009-11-06	Sea Isle City			02:21:25	BD	1	1475	240	
2009-11-06	Sea Isle City			02:21:36	BD	1	1275	205	
2009-11-06	Sea Isle City			02:21:41	BD	1	1325	220	
2009-11-06	Sea Isle City			02:22:00	BD	1	2075	205	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-06	Sea Isle City			02:22:03	BD	1		230	
2009-11-06	Sea Isle City			02:22:06	BD	1	900	215	
2009-11-06	Sea Isle City			02:22:27	BD	1	1800	205	
2009-11-06	Sea Isle City			02:22:31	BD	1	250	15	
2009-11-06	Sea Isle City			02:22:47	BD	1	1725	190	
2009-11-06	Sea Isle City			02:22:49	BD	1		200	
2009-11-06	Sea Isle City			02:23:18	BD	1	1925	215	
2009-11-06	Sea Isle City			02:23:25	BD	1	1925	205	
2009-11-06	Sea Isle City			02:23:53	BD	1	300	190	
2009-11-06	Sea Isle City			02:24:00	BD	1	1500	220	
2009-11-06	Sea Isle City			02:24:49	BD	1	2025	220	
2009-11-06	Sea Isle City			02:25:02	BD	1	1800	205	
2009-11-06	Sea Isle City			02:25:06	BD	1	1800	205	
2009-11-06	Sea Isle City			02:25:09	BD	1	1800	220	
2009-11-06	Sea Isle City			02:25:26	BD	1	1075	220	
2009-11-06	Sea Isle City		0235 to 0240	02:35:37	BD	1	1325	240	
2009-11-06	Sea Isle City			02:35:46	BD	1	1325	210	
2009-11-06	Sea Isle City			02:36:10	BD	2	1650	210	
2009-11-06	Sea Isle City			02:36:43	BD	1	1675	215	
2009-11-06	Sea Isle City			02:37:13	BD	1		195	
2009-11-06	Sea Isle City			02:37:28	BD	1	2025	215	
2009-11-06	Sea Isle City			02:37:50	BD	1	375	275	
2009-11-06	Sea Isle City			02:37:52	BD	1	1275	210	
2009-11-06	Sea Isle City			02:38:38	BD	1	1425	190	
2009-11-06	Sea Isle City			02:38:40	BD	1	775	205	
2009-11-06	Sea Isle City			02:38:49	BD	1	700	195	
2009-11-06	Sea Isle City			02:38:52	BD	1	1175	200	
2009-11-06	Sea Isle City			02:38:53	BD	1	1575	215	
2009-11-06	Sea Isle City			02:39:21	BD	1	1425	215	
2009-11-06	Sea Isle City			02:39:33	BD	1	300	205	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-06	Sea Isle City			02:39:40	BD	1	1325	200	
2009-11-06	Sea Isle City			02:40:01	BD	1		180	
2009-11-08	Sea Isle City	20:11 to 21:02	2016 to 2021	20:16:42	I	1		variable	
2009-11-08	Sea Isle City			20:16:47	I	1		variable	
2009-11-08	Sea Isle City			20:17:13	I	1		155	
2009-11-08	Sea Isle City			20:17:20	I	2		variable	
2009-11-08	Sea Isle City			20:17:38	I	1		variable	
2009-11-08	Sea Isle City			20:17:39	I	1		230	
2009-11-08	Sea Isle City			20:17:59	I	1		355	
2009-11-08	Sea Isle City			20:18:12	I	1		variable	
2009-11-08	Sea Isle City			20:18:52	BD	3	1200	205	
2009-11-08	Sea Isle City			20:19:11	I	1		variable	
2009-11-08	Sea Isle City			20:20:32	I	1		variable	
2009-11-08	Sea Isle City			20:20:35	I	1		variable	
2009-11-08	Sea Isle City			20:20:38	I	1		175	
2009-11-08	Sea Isle City			20:20:39	I	1		variable	
2009-11-08	Sea Isle City			20:20:47	I	1		225	
2009-11-08	Sea Isle City		2031 to 2036						NTD
2009-11-08	Sea Isle City		2051 to 2056	20:52:15	I	1		variable	
2009-11-08	Sea Isle City			20:52:42	I	2		variable	
2009-11-08	Sea Isle City			20:53:05	I	1		variable	
2009-11-08	Sea Isle City			20:53:25	I	1		variable	
2009-11-08	Sea Isle City			20:54:34	I	1		300	
2009-11-08	Sea Isle City			20:55:10	I	1		variable	
2009-11-08	Sea Isle City			20:55:30	I	1		310	
2009-11-08	Sea Isle City			20:55:48	I	1		325	
2009-11-08	Sea Isle City			20:56:01	I	1		variable	
2009-11-08	Sea Isle City		2056 to 2101	20:59:22	I	1		20	
2009-11-08	Sea Isle City			21:00:00	I	1		340	
2009-11-08	Sea Isle City			20:00:36	I	1		variable	

Table K-6 (continued). TI-VPR data for fall 2009 over Island Beach State Park, Brigantine Beach and Sea Isle City, New Jersey. NTD = no targets detected, CLOUDS = cloudy condition, LOW = target too low in beam.

Date	Location	Timeframe (UTC)	5-min sample	Target start	ID	Count	Altitude	Direction	Comments
2009-11-08	Sea Isle City	23:14 to 00:14	2319 to 2324	21:21:53	BD	1	350	230	
2009-11-08	Sea Isle City			21:23:22	BD	1		300	
2009-11-08	Sea Isle City		2339 to 2344	23:39:23	BD	1	750	350	
2009-11-08	Sea Isle City			23:40:03	BD	1	2200	5	
2009-11-08	Sea Isle City			23:42:30	BD	1	200	15	
2009-11-08	Sea Isle City		2349 to 2354	23:53:12	I	1		350	
2009-11-08	Sea Isle City								
2009-11-08	Sea Isle City		0009 to 0014	00:12:10	I	1		330	
2009-11-08	Sea Isle City			00:13:43	BD	1	250	130	
2009-11-08	Sea Isle City								
2009-11-08	Sea Isle City	00:26 to 01:26	0031 to 0036	00:35:00	I	1		155	
2009-11-08	Sea Isle City			00:35:34	BD	1	375	15	
2009-11-08	Sea Isle City								
2009-11-08	Sea Isle City		0051 to 0056	00:52:01	BD	1	1125	205	
2009-11-08	Sea Isle City			00:52:59	BD	1	700	210	
2009-11-08	Sea Isle City		0056 to 0101	00:56:50	BD	1	1625	180	
2009-11-08	Sea Isle City			00:57:39	BD	1		20	
2009-11-08	Sea Isle City		0121 to 0126						NTD