



Fugro Horizons, Inc.



12.3	Lift Begin			Lift End			Flt Duration	Flt Hrs	Hobbs Hrs	Activity
	Airport	Chocks	Hobbs	Airport	Chocks	Hobbs				
1	KHKS	20:19	1133.0	KHKS	1:34	1137.8	5:15	5.3	4.8	Production
2										
3										

Horizons Job # <b>H12-0088</b>	Project Name <b>MIDDLE PEARL</b>			Operator <b>T.J. Smith</b>		Unit <b>142</b>	IMU <b>56023125</b>	PIA <b>2</b>	SW1 <b>15</b>	SW2 <b>5</b>	AR	Ground Temp °C <b>11.0</b>	Min Range Gate <b>4446</b>	Data Logger Drive <b>2L2</b>		
Flight Date <b>6-Jan-13</b>	GPS Day <b>13-006</b>	Lift <b>1</b>	System <b>ALS60</b>	Pilot <b>Jason Kusler</b>		Sun°	Solar Times (UTC)		Laser Power <b>50%</b>			Flying Temp °C <b>6.0</b>	Max Range Gate <b>6220</b>	Download Drive <b>WP160#28</b>		
Mission ID (DaySensorJobLift) <b>00614212008801</b>		FMS <b>CCNS 4</b>	Aircraft <b>N2636P</b>	Airport ID <b>KHKS</b>	UTC <b>-6</b>	FOV <b>34</b>	AMT (ft) <b>5,741</b>	Speed <b>140</b>	Scan Hz <b>43.3</b>	Pulse Rate <b>128,800</b>	km/WPT <b>0.646</b>	AltM Setting <b>30.26</b>		Shipping Track <b>7944 5192 6293</b>		
Base 1 ID <b>H331</b>	Location <b>KHKS</b>		Rec ID <b>ZX-007</b>	Ant ID <b>7336</b>	ARP (m) <b>1.8</b>	Start Time (UTC) <b>06-Jan-13 19:54</b>		Stop Time (UTC) <b>07-Jan-13 01:44</b>		GPS Filename <b>H331A13.006</b>			Operator <b>T.J. Smith</b>	Data <b>Shipped</b>		
Area	Flight #		Wpt		Distance		UTC		Fit	Altitude	Speed	Scan	Comments and Conditions		SVs	PDOP
	FHI	Client's	From	To	Begin	End	Start	End	Dir	(GPS)	(knots)	Rate				
							20:23:00	20:28:00					IMU STATIC RUN-UP		11	1.4
							20:40:00	20:44:00					S-TURN		10	2.2
MPEARL	72	2	1	52	0	33	20:47:23	21:00:00	088	6010	140	43.3	PROJECT CROSS LINE		10	2.2
	73	3	40	1	25.2	0	21:08:46	21:18:00	268	6020	138	43.3	PROJECT CROSS LINE		10	1.9
	19	4	35	1	22	0	21:24:02	21:32:00	178	6005	141	43.3			10	1.6
	20	5	1	37	0	23.3	21:37:51	21:46:00	358	6015	138	43.3			10	1.4
	21	6	38	1	23.9	0	21:50:43	21:59:00	178	5995	138	43.3			12	1.2
	22	7	1	39	0	24.6	22:03:28	22:13:00	358	5995	140	43.3			10	1.5
	23	8	40	1	25.2	0	22:16:59	22:26:00	178	5990	140	43.3			10	1.4
	23	9	7	14	3.9	8.4	22:31:26	22:33:00	358	6010	139	43.3	CALIBRATION LINE		10	1.4
	24	10	1	41	0	25.9	22:41:43	22:51:00	358	5995	138	43.3			10	1.3
	25	11	42	1	26.5	0	22:55:57	23:06:00	178	6015	137	43.3			11	1.3
	26	12	1	44	0	27.8	23:10:17	23:21:00	358	6000	139	43.3			9	1.8
	27	13	44	1	27.8	0	23:26:19	23:37:00	178	6020	141	43.3			9	2.0
	28	14	1	44	0	27.8	23:40:59	23:51:00	358	5090	138	43.3			10	1.5
	29	15	59	1	37.5	0	23:56:14	0:10:00	178	5990	138	43.3			10	1.5
	30	16	1	59	0	37.5	0:15:45	0:30:00	358	6045	139	43.3			11	1.4
	31	17	60	1	38.1	0	0:34:37	0:49:00	178	6050	138	43.3			10	1.6
	32	18	1	61	0	38.8	0:53:26	1:08:00	358	6040	140	43.3			10	1.7
							1:08:00	1:12:00					S-TURN		11	1.5
							1:23:00	1:28:00					IMU STATIC RUN-DOWN		11	1.5



Fugro Horizons, Inc.



12.3	Lift Begin			Lift End			Flt Duration	Flt Hrs	Hobbs Hrs	Activity
	Airport	Chocks	Hobbs	Airport	Chocks	Hobbs				
1	KHKS	14:32	1137.8	KHKS	19:48	1142.6	5:16	5.3	4.8	Production
2										
3										

Horizons Job # <b>H12-0088</b>	Project Name <b>MIDDLE PEARL</b>			Operator <b>T.J. Smith</b>		Unit <b>142</b>	IMU <b>56023125</b>	PIA <b>2</b>	SW1 <b>15</b>	SW2 <b>5</b>	AR	Ground Temp °C <b>2.0</b>	Min Range Gate <b>4446</b>	Data Logger Drive <b>2L1</b>		
Flight Date <b>7-Jan-13</b>	GPS Day <b>13-007</b>	Lift <b>2</b>	System <b>ALS60</b>	Pilot <b>Jason Kusler</b>		Sun°	Solar Times (UTC)		Laser Power <b>50%</b>			Flying Temp °C <b>8.0</b>	Max Range Gate <b>6220</b>	Download Drive <b>WP256</b>		
Mission ID (DaySensorJobLift) <b>00714212008802</b>		FMS <b>CCNS 4</b>	Aircraft <b>N2636P</b>	Airport ID <b>KHKS</b>	UTC <b>-6</b>	FOV <b>34</b>	AMT (ft) <b>5,741</b>	Speed <b>140</b>	Scan Hz <b>43.3</b>	Pulse Rate <b>128,800</b>	km/WPT <b>0.646</b>	AltM Setting <b>30.37</b>		Shipping Track <b>7944 6272 6398</b>		
Base 1 ID <b>H331</b>	Location <b>KHKS</b>		Rec ID <b>ZX-007</b>	Ant ID <b>7336</b>	ARP (m) <b>1.8</b>	Start Time (UTC) <b>07-Jan-13 14:06</b>		Stop Time (UTC) <b>08-Jan-13 00:52</b>		GPS Filename <b>H331A13.007</b>			Operator <b>T.J. Smith</b>	Data <b>Shipped</b>		
Area	Flight #		Wpt		Distance		UTC		Fit	Altitude	Speed	Scan	Comments and Conditions		SVs	PDOP
	FHI	Client's	From	To	Begin	End	Start	End	Dir	(GPS)	(knots)	Rate				
							14:42:00	14:47:00					IMU STATIC RUN-UP		9	1.6
							15:00:00	15:04:00					S-TURN		10	1.6
MPEARL	33	1	61	1	38.8	0	15:08:41	15:23:00	178	6040	140	43.3			8	1.7
	34	2	1	62	0	39.4	15:28:16	15:43:00	358	6040	141	43.3			9	1.7
	35	3	62	1	39.4	0	15:47:42	16:02:00	178	6035	141	43.3			9	1.9
	36	4	1	63	0	40.1	16:06:49	16:21:00	358	6025	141	43.3			10	1.5
	37	5	63	1	40.1	0	16:27:18	16:42:00	178	6045	142	43.3			9	1.7
	38	6	1	64	0	40.7	16:46:52	17:02:00	358	5995	141	43.3			9	2.3
	38	7	51	44	32.3	27.8	17:08:18	17:10:00	178	5985	140	43.3	CALIBRATION LINE		9	1.9
	73	8	23	12	14.2	7.1	17:17:19	17:20:00	268	5980	139	43.3	CROSS LINE		8	2.0
	39	9	64	1	40.7	0	17:28:27	17:43:00	178	5970	141	43.3			8	1.9
	40	10	1	65	0	41.4	17:48:15	18:03:00	358	5985	141	43.3			9	1.6
	41	11	65	1	41.4	0	18:08:11	18:24:00	178	5975	141	43.3			9	1.8
	42	12	1	66	0	42	18:27:54	18:43:00	358	5970	142	43.3			9	1.6
	43	13	67	1	42.7	0	18:47:53	19:04:00	178	5995	140	43.3			10	1.5
	44	14	1	67	0	42.7	19:07:57	19:24:00	358	5990	140	43.3			11	1.4
							19:24:00	19:27:00					S-TURN		11	1.4
							19:40:00	19:45:00					IMU STATIC RUN-DOWN		11	1.4



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12.3	Lift Begin			Lift End			Flt Duration	Flt Hrs	Hobbs Hrs	Activity
	Airport	Chocks	Hobbs	Airport	Chocks	Hobbs				
1	KHKS	20:40	1142.6	KHKS	0:38	1146.2	3:58	4.0	3.6	Production
2										
3										

Horizons Job # <b>H12-0088</b>	Project Name <b>MIDDLE PEARL</b>			Operator <b>T.J. Smith</b>		Unit <b>142</b>	IMU <b>56023125</b>	PiA <b>2</b>	SW1 <b>15</b>	SW2 <b>5</b>	AR	Ground Temp °C <b>13.0</b>	<b>8.0</b>	Min Range Gate <b>4446</b>	Data Logger Drive <b>2L1</b>		
Flight Date <b>7-Jan-13</b>	GPS Day <b>13-007</b>	Lift <b>3</b>	System <b>ALS60</b>	Pilot <b>Jason Kusler</b>		Sun°	Solar Times (UTC)		Laser Power <b>50%</b>			Flying Temp °C <b>8.0</b>	<b>8.0</b>	Max Range Gate <b>6220</b>	Download Drive <b>WP256</b>		
Mission ID (DaySensorJobLift) <b>00714212008803</b>		FMS <b>CCNS 4</b>	Aircraft <b>N2636P</b>	Airport ID <b>KHKS</b>	UTC <b>-6</b>	FOV <b>34</b>	AMT (ft) <b>5,741</b>	Speed <b>140</b>	Scan Hz <b>43.3</b>	Pulse Rate <b>128,800</b>	km/WPT <b>0.646</b>	Altm Setting <b>30.25</b> <b>30.24</b>		Shipping Track <b>7944 6272 6398</b>			
Base 1 ID <b>H331</b>	Location <b>KHKS</b>		Rec ID <b>ZX-007</b>	Ant ID <b>7336</b>	ARP (m) <b>1.8</b>	Start Time (UTC) <b>07-Jan-13 14:06</b>		Stop Time (UTC) <b>08-Jan-13 00:52</b>		GPS Filename <b>H331A13.007</b>		Operator <b>T.J. Smith</b>		Data <b>Shipped</b>			
Area	Flight #		Wpt		Distance		UTC		Fit	Altitude	Speed	Scan	Comments and Conditions			SVs	PDOP
	FHI	Client's	From	To	Begin	End	Start	End	Dir	(GPS)	(knots)	Rate					
							20:46:00	20:51:00					IMU STATIC RUN-UP			10	2.1
							21:03:00	21:07:00					S-TURN			10	1.8
MPEARL	45	1	68	1	43.3	0	21:09:38	21:26:00	178	6000	141	43.3				10	1.8
	46	2	1	68	0	43.3	21:29:49	21:46:00	358	6005	140	43.3				11	1.3
	47	3	69	1	44	0	21:50:44	22:07:00	178	6000	140	43.3				11	1.3
	48	4	1	69	0	44	22:11:36	2:28:00	358	5960	142	43.3				10	1.4
	49	5	70	1	44.6	0	22:32:38	22:49:00	178	6005	141	43.3				10	1.4
	50	6	1	70	0	44.6	22:53:36	23:10:00	358	6005	140	43.3				11	1.3
	50	7	52	45	33	28.4	23:16:22	23:18:00	178	5995	140	43.3	CALIBRATION LINE			9	1.9
	73	8	20	28	12.3	17.5	23:24:02	23:26:00	068	5960	142	43.3	CROSS LINE			9	2.0
	51	9	71	1	45.2	0	23:34:58	23:52:00	178	5980	140	43.3				10	1.5
	52	10	1	71	0	45.2	23:56:16	0:13:00	358	6010	141	43.3				10	1.5
							0:13:00	0:17:00				43.3	S-TURN			11	1.4
							0:31:00	0:36:00				43.3	IMU STATIC RUN-DOWN			10	1.6



# Fugro Horizons, Inc.

12.3	Lift Begin			Lift End			Flt Duration	Flt Hrs	Hobbs Hrs	Activity
	Airport	Chocks	Hobbs	Airport	Chocks	Hobbs				
1	KHKS	13:37	1158.4	KHKS	18:53	1163.3	5:16	5.3	4.9	Production
2										
3										



Horizons Job # <b>H12-0088</b>	Project Name <b>MIDDLE PEARL</b>			Operator <b>T.J. Smith</b>		Unit <b>142</b>	IMU <b>56023125</b>	PIA <b>2</b>	SW1 <b>15</b>	SW2 <b>5</b>	AR	Ground Temp °C <b>2.0</b>	Min Range Gate <b>4446</b>	Data Logger Drive <b>3L1</b>
Flight Date <b>31-Jan-13</b>	GPS Day <b>13-031</b>	Lift <b>4</b>	System <b>ALS60</b>	Pilot <b>Sean Finn</b>		Sun°	Solar Times (UTC)		Laser Power <b>50%</b>			Flying Temp °C <b>-4.0</b>	Max Range Gate <b>6220</b>	Download Drive <b>WP256-08</b>
Mission ID (DaySensorJobLift) <b>03114212008804</b>		FMS <b>CCNS 4</b>	Aircraft <b>N2636P</b>	Airport ID <b>KHKS</b>	UTC <b>-6</b>	FOV <b>34</b>	AMT (ft) <b>5,741</b>	Speed <b>140</b>	Scan Hz <b>43.3</b>	Pulse Rate <b>128,800</b>	km/WPT <b>0.646</b>	AltM Setting <b>30.20</b>		Shipping Track <b>7946 5425 7302</b>

Base 1 ID <b>H331</b>	Location <b>KHKS</b>	Rec ID <b>ZX-007</b>	Ant ID <b>7336</b>	ARP (m) <b>1.8</b>	Start Time (UTC) <b>31-Jan-13 13:00</b>	Stop Time (UTC) <b>31-Jan-13 23:50</b>	GPS Filename <b>H331A13.031</b>	Operator <b>T.J. Smith</b>	Data <b>Shipped</b>
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Area	Flight #		Wpt		Distance		UTC		Fit Dir	Altitude (GPS)	Speed (knots)	Scan Rate	Comments and Conditions	SVs	PDOP
	FHI	Client's	From	To	Begin	End	Start	End							
							13:42:00	13:47:00					IMU STATIC RUN-UP	8	1.8
							14:02:00	14:06:00					S-TURN	9	1.8
MPEARL	71	1	51	1	32.3	0	14:11:56	14:24:00	179	6050	143	43.3		9	1.9
	70	2	1	55	0	34.9	14:29:15	14:43:00	359	6055	136	43.3		9	1.9
	69	3	59	1	37.5	0	14:47:32	15:02:00	179	6040	141	43.3		9	1.7
	68	4	1	63	0	40.1	15:07:07	15:22:00	359	6055	140	43.3		9	2.2
	67	5	67	1	42.7	0	15:27:15	15:44:00	179	6040	139	43.3		9	2.0
	66	6	1	72	0	45.9	15:48:50	16:06:00	359	6030	141	43.3		8	1.7
	65	7	73	1	46.5	0	16:10:08	16:28:00	179	6025	142	43.3		9	1.6
	64	8	1	73	0	46.5	16:32:43	16:50:00	359	6040	141	43.3		9	1.8
	64	9	52	45	33	28.4	16:57:29	16:59:00	179	6050	144	43.3	CALIBRATION LINE	9	1.6
	73	10	40	28	25.2	17.5	17:06:25	17:09:00	269	5980	136	43.3	CROSS LINE	10	1.4
	63	11	73	1	46.5	0	17:20:32	17:38:00	179	6045	142	43.3		10	1.5
	62	12	1	73	0	46.5	17:43:09	8:01:00	359	6025	140	43.3		11	1.4
	61	13	73	1	46.5	0	18:04:52	18:22:00	179	6020	140	43.3		11	1.4
							18:23:00	18:26:00					S-TURN	10	1.7
							18:45:30	18:50:30					IMU STATIC RUN-DOWN	11	1.4



Fugro Horizons, Inc.



12.3	Lift Begin			Lift End			Flt Duration	Flt Hrs	Hobbs Hrs	Activity
	Airport	Chocks	Hobbs	Airport	Chocks	Hobbs				
1	KHKS	19:21	1163.3	KHKS	23:43	1167.2	4:22	4.4	3.9	Production
2										
3										

Horizons Job # <b>H12-0088</b>	Project Name <b>MIDDLE PEARL</b>			Operator <b>T.J. Smith</b>		Unit <b>142</b>	IMU <b>56023125</b>	PIA <b>2</b>	SW1 <b>15</b>	SW2 <b>5</b>	AR	Ground Temp °C <b>14.0</b>	Min Range Gate <b>4446</b>	Data Logger Drive <b>3L1</b>
Flight Date <b>31-Jan-13</b>	GPS Day <b>13-031</b>	Lift <b>5</b>	System <b>ALS60</b>	Pilot <b>Sean Finn</b>		Sun°	Solar Times (UTC)		Laser Power <b>50%</b>			Flying Temp °C <b>0.0</b>	Max Range Gate <b>6220</b>	Download Drive <b>WP256-08</b>
Mission ID (DaySensor/Job/Lift) <b>03114212008805</b>		FMS <b>CCNS 4</b>	Aircraft <b>N2636P</b>	Airport ID <b>KHKS</b>	UTC <b>-6</b>	FOV <b>34</b>	AMT (ft) <b>5,741</b>	Speed <b>140</b>	Scan Hz <b>43.3</b>	Pulse Rate <b>128,800</b>	km/WPT <b>0.646</b>	AltM Setting <b>30.23</b>		Shipping Track <b>7946 5425 7302</b>

Base 1 ID <b>H331</b>	Location <b>KHKS</b>	Rec ID <b>ZX-007</b>	Ant ID <b>7336</b>	ARP (m) <b>1.8</b>	Start Time (UTC) <b>31-Jan-13 13:00</b>		Stop Time (UTC) <b>31-Jan-13 23:50</b>		GPS Filename <b>H331A13.031</b>		Operator <b>T.J. Smith</b>	Data <b>Shipped</b>
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Area	Flight #		Wpt		Distance		UTC		Fit Dir	Altitude (GPS)	Speed (knots)	Scan Rate	Comments and Conditions	SVs	PDOP
	FHI	Client's	From	To	Begin	End	Start	End							
							19:27:00	19:32:00					IMU STATIC RUN-UP	10	1.8
							19:51:00	19:54:00					S-TURN	11	1.3
MPEARL	60	1	1	73	0	46.5	19:58:05	20:16:00	359	6030	142	43.3		10	1.5
	59	2	73	1	46.5	0	20:19:56	20:38:00	179	6020	141	43.3	GETTING BUMPY ON SOUTH END OF LINES	10	1.5
	58	3	1	73	0	46.5	20:43:20	21:01:00	359	6035	140	43.3		10	1.4
	57	4	73	1	46.5	0	21:05:25	21:23:00	179	6025	141	43.3		10	1.3
	56	5	1	73	0	46.5	21:28:22	21:46:00	359	6045	142	43.3		9	1.8
	56	6	52	45	33	28.4	21:53:55	21:55:00	179	6020	145	43.3	CALIBRATION LINE	10	1.5
	73	7	33	25	20.7	15.5	22:01:51	22:04:00	269	5995	140	43.3	CROSSLINE	10	1.5
	55	8	72	1	45.9	0	22:14:14	22:32:00	179	6035	140	43.3		10	1.6
	54	9	1	72	0	45.9	22:36:44	22:54:00	359	6040	141	43.3		11	1.4
	53	10	72	1	45.9	0	22:58:03	23:15:00	179	6040	142	43.3		10	1.7
							23:15:00	23:18:00					S-TURN	10	1.7
							23:35:30	23:40:30					IMU STATIC RUN-DOWN	11	1.4



Fugro Horizons, Inc.

12.3	Lift Begin			Lift End			Flt Duration	Flt Hrs	Hobbs Hrs	Activity
	Airport	Chocks	Hobbs	Airport	Chocks	Hobbs				
1	KHKS	13:51	1167.2	KHKS	18:15	1171.2	4:24	4.4	4.0	Production
2										
3										



Horizons Job # <b>H12-0088</b>	Project Name <b>MIDDLE PEARL</b>			Operator <b>T.J. Smith</b>		Unit <b>142</b>	IMU <b>56023125</b>	PIA <b>2</b>	SW1 <b>15</b>	SW2 <b>5</b>	AR	Ground Temp°C <b>2.0</b>	Min Range Gate <b>4446</b>	Data Logger Drive <b>3L1</b>
Flight Date <b>1-Feb-13</b>	GPS Day <b>13-032</b>	Lift <b>6</b>	System <b>ALS60</b>	Pilot <b>Sean Finn</b>		Sun°	Solar Times (UTC)		Laser Power <b>50%</b>			Flying Temp °C <b>2.0</b>	Max Range Gate <b>6220</b>	Download Drive <b>WP256-02</b>
Mission ID (DaySensorJobLift) <b>03214212008806</b>		FMS <b>CCNS 4</b>	Aircraft <b>N2636P</b>	Airport ID <b>KHKS</b>	UTC <b>-6</b>	FOV <b>34</b>	AMT (ft) <b>5,741</b>	Speed <b>140</b>	Scan Hz <b>43.3</b>	Pulse Rate <b>128,800</b>	km/WPT <b>0.646</b>	Altm Setting <b>30.45</b>		Shipping Track <b>7946 5948 1360</b>

Base 1 ID <b>H331</b>	Location <b>KHKS</b>	Rec ID <b>ZX-007</b>	Ant ID <b>7336</b>	ARP (m) <b>1.8</b>	Start Time (UTC) <b>01-Feb-13 13:34</b>		Stop Time (UTC) <b>01-Feb-13 18:28</b>		GPS Filename <b>H331A13.032</b>		Operator <b>T.J. Smith</b>	Data <b>Shipped</b>
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Area	Flight #		Wpt		Distance		UTC		Fit Dir	Altitude (GPS)	Speed (knots)	Scan Rate	Comments and Conditions	SVs	PDOP
	FHI	Client's	From	To	Begin	End	Start	End							
							13:57:15	14:02:15					IMU STATIC RUN-UP	9	1.8
							14:17:00	14:21:00					S-TURN	9	1.9
MPEARL	18	1	1	34	0	21.3	14:24:57	14:33:00	358	5980	137	43.3		10	1.5
	17	2	33	1	20.7	0	14:36:53	14:45:00	178	5995	140	43.3		9	1.7
	16	3	1	32	0	20	14:49:51	14:58:00	358	5990	136	43.3		9	1.7
	15	4	32	1	20	0	15:01:37	15:09:00	178	5980	141	43.3		10	1.5
	14	5	1	31	0	19.4	15:14:09	15:22:00	358	5995	135	43.3		9	2.1
	13	6	30	8	18.7	0	15:25:47	15:31:00	178	5930	140	43.3	FORCED TO DECEND BY ATC / LINE STOPPED	9	1.9
	13	7	11	1	6.5	0	15:38:19	15:41:00	178	5945	140	43.3	FLIGHT FOLLOWING CANCELLED / LINE REJOINED	8	1.9
	12	8	1	29	0	18.1	15:46:13	15:53:00	358	5950	134	43.3		8	1.8
	11	9	28	1	17.5	0	15:57:09	16:03:00	178	5985	141	43.3		9	1.6
	11	10	7	14	3.9	8.4	16:10:11	16:12:00	358	5990	139	43.3	CALIBRATION LINE	9	1.6
	72	11	16	1	9.7	0	16:17:47	16:21:00	268	5980	140	43.3	CROSS LINE	8	1.8
	10	12	1	27	0	16.8	16:28:17	16:34:00	358	5940	140	43.3		9	1.8
	9	13	26	1	16.2	0	16:38:24	16:44:00	178	6000	140	43.3		8	2.0
	8	14	1	25	0	15.5	16:49:18	16:55:00	358	6000	140	43.3		9	1.6
	7	15	24	1	14.9	0	16:58:39	17:04:00	178	6005	140	43.3		10	1.4
	6	16	1	16	0	9.7	17:08:44	17:13:00	358	6000	140	43.3		10	1.5
	5	17	16	1	9.7	0	17:16:03	17:20:00	178	5995	138	43.3	EARLY LINE START	10	1.5
	4	18	1	15	0	9	17:24:46	17:28:00	358	5985	140	43.3		11	1.4
	3	19	15	1	9	0	17:32:19	17:36:00	178	5940	135	43.3		11	1.4
	2	20	1	11	0	6.5	17:40:56	17:43:00	358	5980	139	43.3		10	1.6
	1	21	10	1	5.8	0	17:47:19	17:49:00	178	5995	136	43.3		11	1.6
							17:49:00	17:52:00					S-TURN	11	1.4



Fugro Horizons, Inc.



ALS Flight Log

12.3	Lift Begin			Lift End			Flt Duration	Flt Hrs	Hobbs Hrs	Activity
	Airport	Chocks	Hobbs	Airport	Chocks	Hobbs				
1	KHKS	13:51	1167.2	KHKS	18:15	1171.2	4:24	4.4	4.0	Production
2										
3										

Horizons Job #	Project Name			Operator		Unit	IMU	PIA	SW1	SW2	AR	Ground Temp °C		Min Range Gate	Data Logger Drive	
H12-0088	MIDDLE PEARL			T.J. Smith		142	56023125	2	15	5		2.0	7.0	4446	3L1	
Flight Date	GPS Day	Lift	System	Pilot		Sun°	Solar Times (UTC)		Laser Power		Flying Temp °C		Max Range Gate	Download Drive		
1-Feb-13	13-032	6	ALS60	Sean Finn					50%		2.0	1.0	6220	WP256-02		
Mission ID (DaySensorJobLift)		FMS	Aircraft	Airport ID	UTC	FOV	AMT (ft)	Speed	Scan Hz	Pulse Rate	km/WPT	Altm Setting		Shipping Track		
03214212008806		CCNS 4	N2636P	KHKS	-6	34	5,741	140	43.3	128,800	0.646	30.45	30.47	7946 5948 1360		
Base 1 ID	Location		Rec ID	Ant ID	ARP (m)	Start Time (UTC)		Stop Time (UTC)		GPS Filename		Operator		Data		
H331	KHKS		ZX-007	7336	1.8	01-Feb-13 13:34		01-Feb-13 18:28		H331A13.032		T.J. Smith		Shipped		
Area	Flight #		Wpt		Distance		UTC		Flt	Altitude	Speed	Scan	Comments and Conditions		SVs	PDOP
	FHI	Client's	From	To	Begin	End	Start	End	Dir	(GPS)	(knots)	Rate				
							18:07:00	18:12:00					IMU STATIC RUN-DOWN		11	1.4