NGS FORM-292

AERONAUTICAL DATA SHEET
NATIONAL GEODETIC SURVEY

DATE GENERATED: 03/08/2001

PROJECT NUMBER: 58
ARPT IDENTIFIER: BOS — SITE NUMBER: 08778.A
ARPT NAME: GENERAL EDWARD LAWRENCE LOGAN INTERNATIONAL AIRPORT — SURVEY DATE: 08/09/2000
CITY: BOSTON — HORIZONTAL DATUM: NAD83
STATE: MASSACHUSETTS — VERTICAL DATUM: NAVD88
ARPT ELEVATION: 18.9 — DISTANCE FROM RWY END: 15R+0 — ATCT FLOOR ELEV: 266.0
AIRPORT REFERENCE POINT — LATITUDE: 422151.7 — LONGITUDE: -710018.7 — DECLINATION: 15.8W

RUNWAY INFORMATION

RUNWAY: 4L/22R LENGTH: 7861 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA						DISPLACED THRESHOLD DATA			
RWY	GEODETIC LATITUDE	GEODETIC LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
4L	422128.7580	-710051.6198	13.8	194401	13.8				
22R	422241.8457	-710016.2583	15.0	1994425	15.2	815	422234.2647	-710019.9273	15.1

PROFILE DATA

DISTANCES FROM APPROACH END 4L

DISTANCE	ELEV
0	13.8
2065	13.1
3879	15.4
5542	14.7
7045	15.1
7861	15.0

DISTANCES FROM APPROACH END 22R

DISTANCE	ELEV
0	15.0
815	15.1
2319	14.7
3981	15.4
5795	13.1
7861	13.8

RUNWAY: 4R/22L LENGTH: 10005 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA GEODETIC						DISPLACED THRESHOLD DATA			
RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
4R	422103.8124	-710042.4631	18.7	194410	17.6	1154	422114.5466	-710037.2711	17.6
22L	422236.8402	-705957.4487	14.3	1994440	15.5	1199	422225.6925	-710002.8449	15.5

PROFILE DATA

DISTANCES FROM APPROACH END 4R

DISTANCE	ELEV
0	18.7
1154	17.6
2071	15.6
5311	15.6
6973	14.9
8806	15.5
10005	14.3

DISTANCES FROM APPROACH END 22L

DISTANCE	ELEV
0	14.3
1199	15.5
3033	14.9
4694	15.6
7935	15.6
8851	17.6
10005	18.7

RUNWAY: 9/27 LENGTH: 7000 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA GEODETIC						DISPLACED THRESHOLD DATA			
RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
9	422120.7150	-710046.4178	16.7	763326	16.7				
27	422136.7806	-705915.7332	14.5	2563427	16.6				

PROFILE DATA

DISTANCES FROM APPROACH END 9

DISTANCE	ELEV
0	16.7
1024	15.6
4453	15.6
6036	16.6
7000	14.5

DISTANCES FROM APPROACH END 27

DISTANCE	ELEV
0	14.5
965	16.6
2547	15.6
5976	15.6
7000	16.7

RUNWAY: 15L/33R LENGTH: 2557 WIDTH: 100 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA						DISPLACED THRESHOLD DATA			
GEODETIC									
RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
15L	422224.8851	-710032.8581	15.0	1351052					
33R	422206.9658	-710008.8465	14.4	3151109					

PROFILE DATA

DISTANCES FROM APPROACH END 15L

DISTANCE	ELEV
0	15.0
657	14.7
2318	14.9
2557	14.4

DISTANCES FROM APPROACH END 33R

DISTANCE	ELEV
0	14.4
240	14.9
1901	14.7
2557	15.0

RUNWAY: 15R/33L LENGTH: 10083 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA						DISPLACED THRESHOLD DATA			
GEODETIC									
RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
15R	422227.3750	-710104.4074	18.9	1350924	17.2	881	422221.2017	-710056.1275	17.2
33L	422116.7425	-705929.7116	14.8	3151028	16.1				

PROFILE DATA

DISTANCES FROM APPROACH END 15R

DISTANCE	ELEV
0	18.9
881	17.2
1994	14.8
3219	15.4
4880	15.6
8057	15.6
10083	14.8

DISTANCES FROM APPROACH END 33L

DISTANCE	ELEV
0	14.8
2026	15.6
5203	15.6
6864	15.4
8089	14.8
9202	17.2
10083	18.9

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SITE NUMBER: 08778.A
SURVEY DATE: 08/09/2000
HORIZONTAL DATUM: NAD83
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NAVIGATIONAL AID INFORMATION

ELECTRONIC		LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
ASR	(BOS)	422054.7869	-710021.9356	20.0		
DME	(4R/22L)	422257.5405	-705951.0555	35.1		
DME	(15R/33L)	422127.2808	-705932.9434	27.3		
DME	(27)	422114.2186	-710108.5461	28.4		
GS	(4R)	422121.8248	-710024.5451	10.1		
GS	(4R) PP	422123.9952	-710032.7004	15.5	651R	2171
GS	(15R)	422214.6951	-710042.4221	11.3		
GS	(15R) PP	422212.8491	-710044.9256	14.8	265L	2074
GS	(22L)	422216.9952	-710011.9916	11.2		
GS	(22L) PP	422215.8313	-710007.6180	15.3	349R	2260
GS	(27)	422131.4823	-705928.4305	13.0		
GS	(27) PP	422134.3680	-705929.3595	16.6	300L	1052
GS	(33L)	422126.6383	-705934.7098	11.4		
GS	(33L) PP	422123.5739	-705938.8665	16.0	440R	975
IM	(4R)	422104.7067	-710039.9082			212
LOC	(4R)	422255.9728	-705948.1914	17.6		2058
LOC	(15R)	422124.3093	-705934.1482	10.3		
LOC	(15R) PP	422122.1941	-705937.0174		304L	-778
LOC	(22L)	422100.1364	-710044.2367	14.5		395
LOC	(27)	422116.6440	-710109.4164	18.2		1775
LOC	(33L)	422237.5658	-710118.0889	16.0		1456
LOM	(4R)	421625.5243	-710256.9508			29929
LOM	(22L)	422707.4879	-705747.8327			29073
LOM	(33L)	421811.1388	-705518.7462			26616
MM	(4R)	422053.1825	-710047.6159			1144
MM	(33L)	422058.4539	-705905.1656			2612
VORTAC	(BOS)	422126.8249	-705922.3657	20.0		

VISUAL		LATITUDE	LONGITUDE
ALS	(4R)		
ALS	(15R)		
ALS	(22L)		
ALS	(33L)		
APBN		422152.1941	-710121.1864
PAPI	(4L)		
PAPI	(4R)		
PAPI	(15R)		
PAPI	(22L)		
PAPI	(22R)		
PAPI	(27)		
PAPI	(33L)		
REIL	(4L)		
REIL	(27)		

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OBSTRUCTION INFORMATION

4L BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON BLAST FENCE	422244.39	-710018.55	1A	23	9	9	4	-8045		249L	8	
VESSEL (A4L)												

22R BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON BLAST FENCE	422244.39	-710018.55	1A	23	8	8	4	185	1000	249R	8	
OL ON BLAST FENCE	422243.78	-710014.43	1A	23	8	8	4	231	1046	63L	7	
TREE	422301.63	-710007.99	1A	77	62	62	58	2095	2910	92R	-32	
TREE	422322.98	-710004.06	1A	143	128	128	124	4229	5044	545R	-73	
VESSEL (A22R)												

4R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	422235.65	-705954.02	1A	17	-2	-1	-2	-9978	-8824	283R	3	
OL ON BOX	422233.04	-710005.75	1A	19	0	1	0	-9433	-8278	456L	4	
SIGN	422218.56	-710002.18	1A	16	-3	-2	-3	-8143	-6989	291R	1	
OL ON GS	422217.00	-710011.99	1A	58	39	40	39	-7746	-6591	349L	43	
SIGN	422210.56	-710006.67	1A	15	-4	-3	-4	-7268	-6113	247R	0	
SIGN	422203.84	-710009.90	1A	19	0	1	0	-6545	-5391	249R	4	
TMOM	422152.75	-710012.01	1A	31	12	13	12	-5435	-4281	479R	15	
OL ON LOC	422100.14	-710044.24	1A	22	3	4	3	395	1550	0R	0	
PIPE ON BLDG	422058.29	-710041.56	1A	29	10	11	10	503	1658	252R	4	
ANT	422052.73	-710047.82	1A	32	13	14	13	1192	2346	0R	-6	
OL POLE ON LT TWR	422027.38	-710046.98	1A	128	109	110	109	3586	4740	926R	42	

4R PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
MOBILE CRANE VESSEL (A4R)	422031.10	-710104.50	1M	145		126	127	126	3676	4830	439L	57

22L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TMOM	422152.75	-710012.01	1A	31		17	15	12	-4570	-3371	479L	15
SIGN	422203.84	-710009.90	1A	19		5	3	0	-3460	-2261	249L	4
SIGN	422210.56	-710006.67	1A	15		1	-1	-4	-2738	-1539	247L	0
OL ON GS	422217.00	-710011.99	1A	58		44	42	39	-2260	-1061	349R	43
SIGN	422218.56	-710002.18	1A	16		2	0	-3	-1862	-663	291L	1
OL ON BOX	422233.04	-710005.75	1A	19		5	3	0	-573	626	456R	4
SIGN	422235.65	-705954.02	1A	17		3	1	-2	-27	1172	283L	3
OL ON POLE	422256.08	-705958.49	1A	65		51	49	46	1807	3006	732R	18
TREE	422256.77	-705953.51	1A	66		52	50	47	1998	3197	403R	16
MOBILE CRANE	422254.83	-705945.83	1M	134		120	118	115	2009	3208	206L	84
TREE	422258.50	-705957.73	1A	79		65	63	60	2057	3256	761R	28
DME	422257.54	-705951.06	1A	39		25	23	20	2134	3333	256R	-14
TREE	422300.37	-705955.85	1A	77		63	61	58	2282	3481	692R	21
CHY	422346.08	-705913.09	1A	169		155	153	150	7722	8921	765L	5
VESSEL (A22L)												

9 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	422134.42	-705912.98	1A	15		-2	-2	-4	-7146		281R	0
SIGN	422139.73	-705914.99	1A	16		-1	-1	-3	-7124		278L	1
OL ON GS	422131.48	-705928.43	1A	54		37	37	35	-5948		300R	37
TMOM	422129.30	-705937.14	1A	27		10	10	8	-5261		363R	11
OL ON GS	422121.82	-710024.55	1A	57		40	40	38	-1623		272R	41
OL ON DME	422114.22	-710108.55	1A	32		15	15	13	1769		253R	-63
OL ON LOC	422116.64	-710109.42	1A	26		9	9	7	1775		1L	-69
VESSEL (A9)												

27 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	422121.82	-710024.55	1A	57	42	40	38	-5377			272L	41
TMOM	422129.30	-705937.14	1A	27	12	10	8	-1739			363L	11
OL ON GS	422131.48	-705928.43	1A	54	39	37	35	-1052			300L	37
SIGN	422139.73	-705914.99	1A	16	1	-1	-3	123			278R	1
SIGN	422134.42	-705912.98	1A	15	0	-2	-4	146			281L	0
LT ON CHANNEL MARKER	422142.39	-705846.86	1A	30	15	13	11	2240			49R	-26
TREE	422139.20	-705821.67	1A	86	71	69	67	4005			704L	-5
CHY ON BLDG	422137.35	-705820.87	1A	79	64	62	60	4020			900L	-12
VESSEL (A27)												

15L AV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	422256.33	-710122.12	1A	101	86	101	82	4864			379R	-147
VENT ON TK	422255.63	-710126.14	1A	97	82	97	78	5027			*643R	-159

33R AV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	422131.48	-705928.43	1A	54	40	54	35	4687			379L	-185

15R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
RAILING ON PIER	422115.40	-705927.91	1A	17	-2	0	-2	-10275	-9394		0R	2
SIGN	422117.52	-705925.69	1A	15	-4	-2	-4	-10240	-9359		270L	1
SIGN	422114.56	-705931.81	1A	16	-3	-1	-3	-10129	-9247		268R	1
OL ON GS	422126.64	-705934.71	1A	60	41	43	41	-9108	-8227		440L	44
TMOM	422129.30	-705937.14	1A	27	8	10	8	-8788	-7906		*501L	12
CAMERA ON BLDG	422152.62	-710010.75	1A	25	6	8	6	-5335	-4454		376L	10
TMOM	422152.75	-710012.01	1A	31	12	14	12	-5259	-4378		317L	15

15R PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WDI	422203.61	-710023.15	1A	50	31	33	31	-3890	-3008	*500L	34
OL ON GS	422214.70	-710042.42	1A	46	27	29	27	-2074	-1192	265L	32
BUSH	422223.56	-710053.62	1A	19	0	2	0	-845	37	302L	2
BUSH	422228.74	-710057.47	1A	23	4	6	4	-269	612	467L	4
FENCE	422225.37	-710110.92	1A	22	3	5	3	201	1082	490R	3
TREE	422231.75	-710103.18	1A	27	8	10	8	249	1130	378L	7
TREE	422234.64	-710107.72	1A	29	10	12	10	697	1578	343L	0
LT	422228.62	-710117.78	1A	49	30	32	30	797	1678	*623R	18
LT	422229.51	-710118.93	1A	49	30	32	30	922	1803	*621R	16
OL ON BLDG	422241.72	-710110.40	1A	51	32	34	32	1347	2228	*705L	9
WDI ON TWR	422239.39	-710114.33	1A	59	40	42	40	1387	2269	329L	17
OL ON LOC	422237.57	-710118.09	1A	24	5	7	5	1456	2337	1R	-20
OL LT	422243.51	-710118.28	1A	55	36	38	36	1893	2774	413L	3
TREE	422242.29	-710120.16	1A	76	57	59	57	1904	2786	226L	23
OL ON BLDG	422236.81	-710128.39	1A	73	54	56	54	1947	2828	602R	19
TREE	422243.14	-710124.57	1A	82	63	65	63	2199	3080	53L	23
TREE	422243.81	-710123.96	1A	84	65	67	65	2215	3096	132L	25
SIGN	422241.16	-710137.22	1A	85	66	68	66	2726	3607	762R	16
SIGN	422251.59	-710123.46	1A	82	63	65	63	2746	3628	714L	12
LT	422249.53	-710127.92	1A	82	63	65	63	2835	3716	331L	11
VENT ON TK	422255.63	-710126.14	1A	97	78	80	78	3178	4060	861L	19
CUPOLA	422249.07	-710140.69	1A	97	78	80	78	3477	4359	382R	13
TREE	422251.22	-710147.07	1A	118	99	101	99	3970	4851	568R	23
CROSS ON CUPOLA	422250.41	-710155.63	1A	128	109	111	109	4364	5246	1081R	26
TREE	422251.10	-710158.52	2C	132	113	115	113	4567	5449	*1185R	25
VESSEL (A15R)											

33L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	422228.74	-710057.47	1A	23	8	7	4	-9814		467R	4
BUSH	422223.56	-710053.62	1A	19	4	3	0	-9238		302R	2
OL ON GS	422214.70	-710042.42	1A	46	31	30	27	-8009		265R	32
WDI	422203.61	-710023.15	1A	50	35	34	31	-6193		*500R	34
TMOM	422152.75	-710012.01	1A	31	16	15	12	-4824		317R	15

33L PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
CAMERA ON BLDG	422152.62	-710010.75	1A	25		10	9	6	-4748		376R	10
TMOM	422129.30	-705937.14	1A	27		12	11	8	-1295		*501R	12
OL ON GS	422126.64	-705934.71	1A	60		45	44	41	-975		440R	44
SIGN	422114.56	-705931.81	1A	16		1	0	-3	46		268L	1
SIGN	422117.52	-705925.69	1A	15		0	-1	-4	157		270R	1
RAILING ON PIER	422115.40	-705927.91	1A	17		2	1	-2	192		0R	2
BLDG	422111.68	-705917.99	1A	23		8	7	4	984		263R	-7
VESSEL (A33L)												

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE	PNTR
OL ON BLDG	422154.92	-710008.73	1A	36		17	8217	817	1
WDI	422203.61	-710023.15	1A	50		31	19	1251	34
ANT	422141.04	-710035.48	1A	47		28	24513	1659	-9
ROD ON OL TWR	422138.06	-710035.13	1A	40		21	23734	1852	3
OL ON WSK	422138.44	-710036.44	1A	32		13	24035	1891	-21
ANT ON OL ATCT	422156.75	-710106.39	1A	296	276	277	29355	3617	127
TMOM	422129.30	-705937.14	1A	27		8	14148	3857	12
OL ON DME	422127.28	-705932.94	1A	32		13	14132	4232	5
LT	422127.72	-710105.22	1A	100		81	25100	4253	-19
BLDG	422117.97	-705944.61	1A	22		3	15856	4267	-23
OL ON GS	422131.48	-705928.43	1A	54		35	13416	4293	-50
SIGN	422142.78	-705922.28	1A	15		-4	11749	4331	-29
ANT	422113.70	-710046.56	1A	39		20	22420	4379	3
OL ON BLDG	422142.83	-705917.20	1A	26		7	11648	4704	-6
OL ON LT POLE	422124.04	-710110.64	1A	100		81	25007	4801	-16
OL VORTAC	422126.82	-705922.37	1A	47		28	13634	4922	-22
OL ON BLDG	422203.40	-710122.84	1A	212	200	193	29937	4958	43
ROD ON OL LT	422122.93	-710117.51	1A	100		81	25224	5290	-41
LT	422223.37	-710115.05	1A	79		60	32257	5308	10
OL LT	422222.39	-710116.49	1A	100		81	32125	5336	10
LT	422225.59	-710113.81	1A	47		28	32528	5375	10
ROD ON OL HGR	422224.56	-710120.36	1A	101		82	32131	5700	4
LT	422228.62	-710117.78	1A	49		30	32555	5800	13

ARP HCT (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE	PNTR
LT	422229.51	-710118.93	1A	49		30	32603	5924	14
OL ON BLDG	422132.11	-710138.07	1A	191		172	26724	6280	23
OL ON BLDG	422241.72	-710110.40	1A	51		32	33820	6380	4
ROD ON OL TK	422232.68	-710128.91	1A	67		48	32401	6707	-11
MOBILE CRANE	422146.27	-710155.35	1M	226	226	207	28128	7277	57
SIGN	422256.33	-710122.12	1A	101		82	33946	8091	-3
OL BLDG	422323.16	-710020.27	1A	230		211	1504	9259	61
TREE	422322.98	-710004.06	1A	143		124	2234	9306	-26
TREE	422323.77	-710017.02	1A	198		179	1634	9321	29
ANT ON OL BLDG	422326.58	-710020.55	1A	225		206	1458	9606	56
TREE	422251.10	-710158.52	2C	132		113	32433	9607	21
ROD ON OL MCWV TWR	422313.14	-710129.13	1A	174		155	34308	9794	5
TREE	422328.73	-710029.61	1A	215		196	1102	9857	46
CHY ON BLDG	422252.56	-710206.26	1A	149		130	32309	10156	-5
ANT ON OL SPIPE	422204.27	-705804.01	1A	217		198	9837	10191	73
BLDG	422056.98	-710225.65	1A	248	242	229	25538	11025	79
ANT ON BLDG	422042.31	-710227.94	1A	219	209	200	24954	11980	50
OL STK	422021.54	-710205.87	1A	333	320	314	23712	12168	164
ANT ON OL BLDG	422129.10	-710259.20	1A	416	410	397	27503	12265	247
OL ON SPIPE	422117.39	-705733.87	1A	217		198	12127	12853	48
OL ON BLDG	422122.75	-710306.98	1A	560	548	541	27245	12969	384
ANT ON OL BLDG	422120.28	-710307.73	1A	643	620	624	27144	13083	462
OL BLDG	422132.56	-710312.83	1A	504	495	485	27723	13215	316
ANT ON OL STK	422048.69	-710257.29	1A	251	248	232	25738	13508	77
OL ON BRDG	422308.76	-710248.14	1A	262	262	243	32037	13663	93
ROD ON OL BRDG	422302.20	-710254.00	1A	263	263	244	31717	13668	94
ANT ON OL BLDG	422124.88	-710318.51	1A	540	528	521	27426	13770	324
ANT ON OL BLDG	422110.07	-710314.23	1A	620	611	601	26805	13836	406
ANT ON OL BLDG	422118.92	-710321.13	1A	638	620	619	27212	14093	406
OL MCWV TWR ON BLDG	422118.30	-710321.41	1A	636	623	617	27158	14128	403
ANT ON OL BLDG	422121.85	-710325.51	1A	612	596	593	27339	14347	367
ANT ON OL BLDG	422130.44	-710329.85	1A	655	628	636	27717	14512	402
OL ANT ON BLDG	422108.22	-710323.23	1A	700	685	681	26811	14537	451
ROD ON OL STK	422404.20	-710139.16	1A	272		253	35134	14710	103
TREE	422416.35	-705952.67	1A	183		164	2323	14773	14
ANT ON OL BLDG	422139.98	-710337.10	1A	408	370	389	28116	14942	137
OL ON TK	422403.37	-710149.26	1A	302		283	34847	14962	128

ARP HCT (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE	PNTR
CRANE	422204.61	-710344.60	1A	388	381	369	29039	15512	112
ROD ON MON	422234.83	-710338.77	1A	302	223	283	30201	15641	60
WDI ON MON	421957.98	-710244.93	2A	261		242	23927	15909	33
ANT ON OL BLDG	422147.49	-710351.60	1A	396	363	377	28417	15989	79
OL SPIPE	421919.10	-705754.65	1A	215		196	16047	18860	-138

ADDITIONAL INFORMATION:

AERONAUTICAL DATA IS AVAILABLE ON THE INTERNET AT HTTP://WWW.NGS.NOAA.GOV.

ADDITIONAL INFORMATION ON DATA STANDARDS CAN BE FOUND IN FAA NO. 405, "STANDARDS FOR AERONAUTICAL SURVEYS AND RELATED PRODUCTS".

AN ASTERISK "*" INDICATES THAT THIS OBJECT IS OUTSIDE, BUT WITHIN 50 FEET, OF THE OBSTRUCTION IDENTIFICATION SURFACE.