

AERONAUTICAL DATA SHEET
NATIONAL GEODETIC SURVEY

DATE GENERATED: 04/04/2005

PROJECT NUMBER: 285
ARPT IDENTIFIER: EWR
ARPT NAME: NEWARK LIBERTY INTERNATIONAL AIRPORT
CITY: NEWARK
STATE: NEW JERSEY
ARPT ELEVATION: 17.6
AIRPORT REFERENCE POINT

SITE NUMBER: 14052.A
SURVEY DATE: 08/03/2004
HORIZONTAL DATUM: NAD83
VERTICAL DATUM: NAVD88
ATCT FLOOR ELEV: 309.0
DECLINATION: 13.3W

DISTANCE FROM RWY END: 11+0
LATITUDE: 404133.0 LONGITUDE: -741007.2

RUNWAY INFORMATION

RUNWAY: 4L/22R LENGTH: 11000 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
4L	404031.3716	-741046.0209	9.9	254859	10.0	2543	404053.9871	-741031.6492	10.0
22R	404209.2091	-740943.8255	8.6	2054940	10.1	1424	404156.5462	-740951.8785	9.9

PROFILE DATA

DISTANCES FROM APPROACH END 4L

DISTANCES FROM APPROACH END 22R

DISTANCE	ELEV
0	9.9
2543	10.0
9576	9.9
10618	8.8
11000	8.6

DISTANCE	ELEV
0	8.6
382	8.8
1424	9.9
8457	10.0
11000	9.9

RUNWAY: 4R/22L LENGTH: 9981 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	404039.2984	-741027.2915	10.8	254917	10.7	1190	404049.8828	-741020.5640	10.7
22L	404208.0670	-740930.8492	9.1	2054954	10.3	1771	404152.3179	-740940.8665	10.1

PROFILE DATA (CONTINUED)

ADSNJ285

DISTANCES FROM APPROACH END 4R

DISTANCE	ELEV
0	10.8
1190	10.7
8210	10.1
9628	9.2
9981	9.1

DISTANCES FROM APPROACH END 22L

DISTANCE	ELEV
0	9.1
352	9.2
1771	10.1
8791	10.7
9981	10.8

RUNWAY: 11/29 LENGTH: 6800 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
GEODETIC

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)
11	404210.0955	-741050.5467	17.6	945845
29	404204.2544	-740922.5943	9.6	2745943

DISPLACED THRESHOLD DATA

RWY	LENGTH	LATITUDE	LONGITUDE	ELEV
11	17.6			
29	9.5	404204.5106	-740926.4464	9.5

PROFILE DATA

DISTANCES FROM APPROACH END 11

DISTANCE	ELEV
0	17.6
2091	8.6
4991	8.8
6008	9.2
6502	9.5
6800	9.6

DISTANCES FROM APPROACH END 29

DISTANCE	ELEV
0	9.6
298	9.5
792	9.2
1809	8.8
4709	8.6
6800	17.6

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NAVIGATIONAL AID INFORMATION

ELECTRONIC	LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
ASR (EWR)	404023.6069	-741108.6896	3.9		
DME (4L/22R)	404215.2525	-740933.9586	34.3		
DME (4R/22L)	404143.5471	-740941.6275	33.5		
GS (4L)	404102.2437	-741022.5026	7.5		
GS (4L) PP	404103.4074	-741025.6620	10.0	270R	3602
GS (4R)	404057.5925	-741009.8937	6.4		
GS (4R) PP	404059.3147	-741014.5685	10.6	400R	2250
GS (11)	404210.8319	-741035.0319	9.5		
GS (11) PP	404209.0798	-741035.2326	12.5	178L	1184
GS (22L)	404143.6960	-740941.7318	7.5		
GS (22L) PP	404145.0744	-740945.4733	10.1	320L	2585
GS (22R)	404147.3390	-740954.1326	8.0		
GS (22R) PP	404148.4136	-740957.0500	10.1	250L	2338
IM (4R)	404041.4774	-741023.1671			387
LOC (4L)	404217.4015	-740938.6147	8.7		921
LOC (4R)	404215.9432	-740925.8352	8.1		886
LOC (11)	404209.2938	-741004.9852	7.0		
LOC (11) PP	404207.0888	-741005.2380		224L	-3297
LOC (22L)	404028.9529	-741033.8654	9.4		1163
LOC (22R)	404023.3498	-741051.1186	9.1		902
MM (4R)	404026.7061	-741035.2789			1415
MM (22L)	404223.5973	-740920.9122			1748
NDB (EW_)	403537.2580	-741348.0153			
NDB (EZ_)	403626.2424	-741305.0550			
OM (22L)	404555.1087	-740717.1998			25176
OM (22R)	404555.1087	-740717.1998			25497

VISUAL LATITUDE LONGITUDE

ALS (4L)
 ALS (4R)

VISUAL	LATITUDE	LONGITUDE
ALS (22L)		
ALS (22R)		
APBN	404217.7286	-741037.7874
PAPI (4L)		
PAPI (4R)		
PAPI (22L)		
PAPI (22R)		
PAPI (29)		
REIL (11)		
REIL (22R)		
VASI (11)		

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OBSTRUCTION INFORMATION

4L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	404147.34	-740954.13	1A	55		45	45	37	-8662	-6119	250R	45
OL ON ELEC EQUIP	404143.36	-740956.61	1A	15		5	5	-3	-8216	-5674	253R	5
OL ON GS	404102.24	-741022.50	1A	34		24	24	16	-3602	-1059	270R	24
ANT ON OL BLDG	404028.46	-741040.25	1A	28		18	18	10	72	2614	*529R	18
ANT ON OL BLDG	404022.23	-741047.99	1A	25		15	15	7	899	3441	266R	1
LOC	404023.35	-741051.12	1A	16		6	6	-2	902	3444	0R	-7
LT	404022.90	-741052.86	1A	24		14	14	6	1001	3544	101L	-2
LT	404021.55	-741056.40	1A	34		24	24	16	1243	3786	287L	3
POLE	404021.06	-741058.39	1A	43		33	33	25	1355	3897	404L	10
POLE	404014.79	-741048.89	1A	49		39	39	31	1607	4150	532R	11
POLE	404015.33	-741054.03	1A	49		39	39	31	1730	4273	151R	9
TREE	404016.42	-741059.96	1A	64		54	54	46	1829	4372	308L	22
RD(N)	404017.52	-741105.18	1A	48		38	38	30	1905	4447	718L	4
TREE	404016.74	-741103.40	1A	69		59	59	51	1916	4458	560L	25
TREE	404003.50	-741055.21	1A	64		54	54	46	2848	5390	591R	1
LT POLE	403940.57	-741112.56	1A	119		109	109	101	5519	8061	398R	3
ANT ON TWR	403937.25	-741118.59	1A	137		127	127	119	6024	8566	126R	11
ANT ON TWR	403934.54	-741117.40	1A	145		135	135	127	6230	8772	328R	14

22R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ANT ON OL BLDG	404028.46	-741040.25	1A	28		19	18	10	-11072	-9648	*529L	18
OL ON GS	404102.24	-741022.50	1A	34		25	24	16	-7398	-5974	270L	24
OL ON ELEC EQUIP	404143.36	-740956.61	1A	15		6	5	-3	-2784	-1360	253L	5
OL ON GS	404147.34	-740954.13	1A	55		46	45	37	-2338	-914	250L	45
OL ON DME	404215.25	-740933.96	1A	38		29	28	20	882	2305	418L	16
OL ON LOC	404217.40	-740938.61	1A	16		7	6	-2	921	2345	0R	-7

22R	PIR	(CONTINUED)											
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ANT ON OL BLDG		404215.24	-740932.37	1A	22		13	12	4	933	2357	528L	-2
LT		404218.63	-740937.88	1A	23		14	13	5	1058	2481	3R	-2
LT		404216.90	-740932.67	1A	23		14	13	5	1074	2498	434L	-3
LT POLE		404224.10	-740934.75	1A	42		33	32	24	1661	3085	27R	4
TREE		404230.71	-740941.35	1A	67		58	57	49	2041	3465	776R	21
TREE		404230.77	-740936.90	1A	58		49	48	40	2196	3620	471R	10
TREE		404227.19	-740925.57	1A	59		50	49	41	2250	3674	473L	9
ROD ON OL BLDG		404227.97	-740924.11	1A	50		41	40	32	2370	3794	540L	-2
LT		404229.61	-740922.55	1A	59		50	49	41	2572	3996	575L	3
ANT ON OL TWR		404235.27	-740930.13	1A	82		73	72	64	2833	4257	200R	21
LT		404232.19	-740920.84	1A	58		49	48	40	2865	4289	580L	-4
TREE		404239.71	-740934.66	1A	89		80	79	71	3086	4510	710R	22
SIGN		404240.65	-740931.30	1A	75		66	65	57	3284	4708	518R	5
SIGN		404243.84	-740926.94	1A	91		82	81	73	3722	5145	357R	12
FLGPL		404240.31	-740913.86	1A	87		78	77	69	3838	5262	706L	6
LT POLE		404246.90	-740919.75	1A	101		92	91	83	4241	5665	7L	12
LT TWR		404254.92	-740924.92	1A	120		111	110	102	4798	6222	705R	19
SIGN		404252.48	-740915.35	1A	106		97	96	88	4897	6321	66L	4

4R	PIR												
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON BLDG		404200.86	-740931.49	1A	21		10	10	3	-9302	-8112	274R	12
POLE		404148.50	-740948.67	1A	25		14	14	7	-7600	-6410	372L	14
OL ON GS		404143.70	-740941.73	1A	54		43	43	36	-7395	-6205	320R	44
DME		404143.55	-740941.63	1A	37		26	26	19	-7385	-6195	334R	27
FENCE		404134.95	-740943.98	1A	16		5	5	-2	-6523	-5333	*550R	5
BUSH		404128.74	-740950.79	1A	8		-3	-3	-10	-5729	-4539	352R	-2
FENCE		404124.80	-740951.86	1A	15		4	4	-3	-5334	-4144	451R	4
POLE		404125.40	-741003.38	1A	24		13	13	6	-5002	-3812	374L	14
ROD ON OL GS		404057.59	-741009.89	1A	55		44	44	37	-2250	-1060	400R	44
POLE		404058.62	-741020.40	1A	25		14	14	7	-1991	-801	374L	15
BLDG		404040.64	-741020.74	1A	18		7	7	0	-342	848	395R	8
POLE		404038.10	-741024.27	1A	16		5	5	-2	8	1198	263R	6
RD(I)		404028.61	-741025.87	1A	26		15	15	8	926	2116	570R	1

4R	PIR	(CONTINUED)											
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE		404029.39	-741028.40	1A	16		5	5	-2	940	2130	360R	-10
OL ON LOC		404028.95	-741033.87	1A	17		6	6	-1	1163	2353	0R	-13
ANT ON OL BLDG		404028.46	-741040.25	1A	28		17	17	10	1423	2613	421L	-7
ANT ON OL BLDG		404026.62	-741035.58	1A	26		15	15	8	1433	2623	16L	-10
SIGN		404019.71	-741034.94	1A	41		30	30	23	2041	3231	333R	-7
LT		404017.39	-741032.83	1A	62		51	51	44	2181	3371	582R	12
RD(N)		404017.33	-741033.07	1A	45		34	34	27	2195	3385	567R	-5
LT		404017.60	-741035.14	1A	49		38	38	31	2240	3430	412R	-3
ANT ON OL BLDG		404022.23	-741047.99	1A	25		14	14	7	2250	3440	683L	-26
POLE		404014.79	-741048.89	1A	49		38	38	31	2958	4148	418L	-17
POLE		404015.33	-741054.03	1A	49		38	38	31	3081	4271	799L	-19
TREE		404003.50	-741055.21	1A	64		53	53	46	4198	5388	359L	-27
LT		403946.55	-741052.61	1A	112		101	101	94	5655	6845	569R	-8
LT POLE		403940.57	-741112.56	1A	119		108	108	101	6869	8059	552L	-25
ANT ON TWR		403937.25	-741118.59	1A	137		126	126	119	7375	8565	824L	-17
ANT ON TWR		403934.54	-741117.40	1A	145		134	134	127	7581	8771	622L	-13
SPIRE		403907.95	-741111.75	1A	226	200	215	215	208	9814	11004	942R	23
OL ON MOBILE CRANE		403829.26	-741120.38	1M	278	273	267	267	260	13629	14819	2048R	-19

22L PIR

OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE		404038.10	-741024.27	1A	16		7	6	-2	-9989	-8218	263L	6
BLDG		404040.64	-741020.74	1A	18		9	8	0	-9638	-7867	395L	8
POLE		404058.62	-741020.40	1A	25		16	15	7	-7989	-6219	374R	15
ROD ON OL GS		404057.59	-741009.89	1A	55		46	45	37	-7730	-5959	400L	44
POLE		404125.40	-741003.38	1A	24		15	14	6	-4978	-3207	374R	14
FENCE		404124.80	-740951.86	1A	15		6	5	-3	-4646	-2876	451L	4
BUSH		404128.74	-740950.79	1A	8		-1	-2	-10	-4251	-2481	352L	-2
FENCE		404134.95	-740943.98	1A	16		7	6	-2	-3457	-1686	*550L	5
DME		404143.55	-740941.63	1A	37		28	27	19	-2595	-824	334L	27
OL ON GS		404143.70	-740941.73	1A	54		45	44	36	-2585	-814	320L	44
POLE		404148.50	-740948.67	1A	25		16	15	7	-2381	-610	372R	14
OL ON BLDG		404200.86	-740931.49	1A	21		12	11	3	-678	1093	274L	12
FENCE		404209.25	-740922.06	1A	18		9	8	0	403	2174	*557L	5

22L	PIR	(CONTINUED)											
OBJECT			LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN PNTR
OL ON DME			404215.25	-740933.96	1A	38		29	28	20	550	2321	532R 22
ANT ON OL BLDG			404215.24	-740932.37	1A	22		13	12	4	602	2373	421R 4
LT			404216.90	-740932.67	1A	23		14	13	5	743	2514	516R 4
LOC			404215.94	-740925.84	1A	16		7	6	-2	886	2657	0R -7
ANT ON OL TWR			404217.97	-740916.03	1A	62		53	52	44	1399	3170	590L 29
TREE			404227.19	-740925.57	1A	59		50	49	41	1919	3690	477R 15
ROD ON OL BLDG			404227.97	-740924.11	1A	50		41	40	32	2039	3810	410R 4
TREE			404225.81	-740917.34	1A	61		52	51	43	2070	3840	154L 14
LT			404229.61	-740922.55	1A	59		50	49	41	2241	4011	375R 9
LT POLE			404227.99	-740912.22	1A	66		57	56	48	2440	4211	413L 12
LT			404232.19	-740920.84	1A	58		49	48	40	2533	4304	370R 2
FLGPL			404240.31	-740913.86	1A	87		78	77	69	3507	5278	245R 12
LT POLE			404246.90	-740919.75	1A	101		92	91	83	3910	5680	943R 18
SIGN			404252.48	-740915.35	1A	106		97	96	88	4566	6337	884R 10

11 PIR

OBJECT			LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN PNTR
GRD			404204.62	-740920.05	1A	21		3	3	3	-6992		54L 12
OL ON FENCE			404204.43	-740921.49	1A	19		1	1	1	-6883		25L 9
ANT ON SIGN			404159.47	-740923.06	1A	48		30	30	30	-6806		485R 38
FENCE			404209.25	-740922.06	1A	18		0	0	0	-6797		*507L 8
OL ON BLDG			404200.86	-740931.49	1A	21		3	3	3	-6148		402R 12
ANT ON OL BLDG			404209.39	-741004.06	1A	19		1	1	1	-3573		240L 10
OL ON LOC			404209.29	-741004.99	1A	15		-3	-3	-3	-3503		224L 7
OL ON ELEC EQUIP			404203.20	-741028.44	1A	19		1	1	1	-1757		*548R 9
OL ON ANT			404210.17	-741032.08	1A	15		-3	-3	-3	-1416		131L 3
ROD ON OL BLDG			404211.48	-741034.81	1A	21		3	3	3	-1195		245L 8
OL ON ANT			404210.27	-741037.68	1A	17		-1	-1	-1	-985		104L 3
TREE			404213.14	-741051.60	1A	23		5	5	5	108		299L 6
POLE			404207.89	-741053.54	1A	23		5	5	5	210		242R 5
BUSH			404213.22	-741052.99	1A	19		1	1	1	215		298L 1
TREE			404214.58	-741053.15	1A	23		5	5	5	239		434L 4
TREE			404215.55	-741053.98	1A	23		5	5	5	311		*527L 3
TREE			404206.90	-741054.99	1A	23		5	5	5	313		352R 3

11 PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	404205.24	-741055.40	1A	22		4	4	4	330		*522R	2
LT	404216.12	-741055.61	1A	26		8	8	8	442		*573L	4
LT	404215.47	-741056.60	1A	26		8	8	8	512		501L	3
SIGN	404216.38	-741058.81	1A	43		25	25	25	689		*578L	16
TREE	404204.79	-741103.88	1A	47		29	29	29	977		*625R	14
OL ON SIGN	404216.02	-741103.37	1A	60		42	42	42	1036		511L	26
TREE	404208.30	-741104.34	1A	42		24	24	24	1043		273R	7
OL ON SIGN	404205.22	-741109.73	1A	82		64	64	64	1429		620R	40
OL ON BLDG	404212.00	-741109.24	1A	72		54	54	54	1451		67L	29
ANT ON OL BLDG	404216.87	-741112.30	1A	99		81	81	81	1728		538L	51
OL ON POLE	404214.19	-741118.39	1A	85		67	67	67	2172		227L	28
OL ON POLE	404207.54	-741123.40	1A	118		100	100	100	2498		477R	55
TREE	404203.99	-741148.13	1A	122		104	104	104	4364		1000R	21
TREE	404202.26	-741150.54	1A	118		100	100	100	4534		*1191R	14
ANT ON OL BLDG	404228.84	-741209.38	1A	331	228	313	313	313	6213		1364L	194
BLDG	404229.47	-741209.82	1A	297	234	279	279	279	6252		*1424L	159
TREE	404218.29	-741214.44	1A	192		174	174	174	6509		267L	49
LT	404235.67	-741316.64	1A	256		238	238	238	11433		1605L	8
TREE	404222.59	-741319.52	1A	260		242	242	242	11540		267L	9

29 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	404213.14	-741051.60	1A	23		13	14	5	-6907	-6610	299R	6
OL ON ANT	404210.27	-741037.68	1A	17		7	8	-1	-5814	-5517	104R	3
ROD ON OL BLDG	404211.48	-741034.81	1A	21		11	12	3	-5605	-5307	245R	8
OL ON ANT	404210.17	-741032.08	1A	15		5	6	-3	-5384	-5086	131R	3
OL ON ELEC EQUIP	404203.20	-741028.44	1A	19		9	10	1	-5043	-4745	*548L	9
OL ON LOC	404209.29	-741004.99	1A	15		5	6	-3	-3297	-2999	224R	7
ANT ON OL BLDG	404209.39	-741004.06	1A	19		9	10	1	-3227	-2929	240R	10
OL ON BLDG	404200.86	-740931.49	1A	21		11	12	3	-652	-354	402L	12
FENCE	404209.25	-740922.06	1A	18		8	9	0	-3	294	*507R	8
ANT ON SIGN	404159.47	-740923.06	1A	48		38	39	30	6	304	485L	38
OL ON FENCE	404204.43	-740921.49	1A	19		9	10	1	83	381	25R	9
GRD	404204.62	-740920.05	1A	21		11	12	3	192	490	54R	12

29	C	(CONTINUED)										
OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BLDG	404208.70	-740919.14	1A	34		24	25	16	226	524	471R	24
LT POLE	404159.84	-740919.62	1A	48		38	39	30	267	565	425L	37
OL ON SIGN	404158.79	-740919.55	1A	50		40	41	32	282	580	*530L	38
RD(I)	404204.00	-740918.51	1A	32		22	23	14	316	614	2R	19
OL LT POLE	404207.36	-740915.42	1A	47		37	38	29	523	821	361R	28
TREE	404204.30	-740915.65	1A	39		29	30	21	532	830	51R	20
OL SIGN	404202.21	-740915.53	1A	42		32	33	24	560	858	158L	22
OL ON SIGN	404209.27	-740913.26	1A	68		58	59	50	672	970	*568R	44
LT POLE	404205.97	-740907.58	1A	64		54	55	46	1137	1435	274R	27
VENT ON BLDG	404204.89	-740844.04	1A	82		72	73	64	2953	3250	323R	-9
OL ON BRDG	404146.24	-740716.58	1A	267	268	257	258	249	9828	10126	969L	-26
OL ON RR BRDG	404157.33	-740712.23	1A	230	231	220	221	212	10064	10362	178R	-70
VESSEL (A29)												

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
SIGN	404125.40	-740950.03	1A	19		1		13329	1530	1
TREE	404124.38	-740949.34	1A	30		12		13541	1630	-1
LT	404130.56	-740945.85	1A	26		8		11150	1663	0
LT POLE	404124.75	-740948.53	1A	36		18		13325	1663	-1
LADDER ON BLDG	404121.06	-740950.70	1A	35		17		14650	1754	-3
TREE	404120.29	-740951.51	1A	34		16		15004	1765	-1
FENCE	404134.95	-740943.98	1A	16		-2		9659	1800	-2
LT POLE	404132.72	-740942.77	1A	39		21		10409	1882	-4
ROD ON OL TWR	404138.50	-740938.60	1A	67		49		8907	2273	19
ROD ON OL RTR TWR (NE OF 4)	404138.03	-740937.52	1A	65		47		9044	2342	3
ANT ON OL RAMP TWR	404143.55	-741035.73	1A	172		154		30913	2444	4
ANT ON OL TWR	404123.08	-740938.17	1A	157		139		12728	2451	7
FLGP ON OL MOBILE CRANE	404121.58	-740932.87	1M	201		183		12654	2886	34
LT	404150.31	-740929.86	1A	61		43		7157	3368	1
OL ON ELEC EQUIP	404203.20	-741028.44	1A	19		1		34508	3466	2
SIGN	404147.90	-740924.41	1A	91		73		7842	3624	-38
ANT ON OL ATCT	404133.19	-741057.80	1A	348	340	330		28335	3898	180
POLE	404214.11	-741017.62	1A	26		8		222	4238	-1

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
OL ON POLE		404213.75	-740953.78	1A	75		57		2722	4252	31
OL ON BLDG		404213.69	-740951.48	1A	57		39		2941	4292	15
OL ON MOBILE CRANE		404112.53	-740918.21	1A	183		165		13203	4305	16
TREE		404213.47	-740949.09	1A	27		9		3206	4326	11
LT		404215.34	-741015.80	1A	43		25		430	4336	-3
OL ON BLDG		404216.03	-741004.68	1A	68		50		1551	4359	2
OL ON MOBILE CRANE		404105.02	-740922.82	1M	287	277	269		14255	4439	119
OL ON SIGN		404158.79	-740919.55	1A	50		32		6752	4504	35
OL ON HGR		404214.99	-741037.48	1A	59		41		34432	4848	34
OL ON HGR		404215.38	-741038.42	1A	66		48		34401	4917	36
TREE		404205.24	-741055.40	1A	22		4		32437	4943	2
OL ON FENCE		404215.20	-741040.69	1A	21		3		34210	4990	-5
FENCE		404209.25	-740922.06	1A	18		0		5645	5054	7
ANT AND APBN ON OL HGR		404217.73	-741037.79	1A	83		65		34548	5103	19
OL ON MOBILE CRANE		404106.71	-740909.23	1M	263	255	245		13405	5199	95
OL ON MOBILE CRANE		404150.32	-740901.76	1M	235	227	217		8407	5337	99
LT POLE		404049.76	-741046.94	1A	64		46		22817	5341	0
LT		404223.62	-740946.41	1A	48		30		3039	5368	-4
TREE		404204.79	-741103.88	1A	47		29		31941	5423	13
OL ON MOBILE CRANE		404104.48	-740905.98	1M	342	333	324		13445	5529	174
OL ON SIGN		404209.27	-740913.26	1A	68		50		6150	5544	43
TREE		404215.55	-741053.98	1A	23		5		33323	5615	2
OL ON SIGN		404203.46	-741109.85	1A	113		95		31552	5726	55
LT		404216.12	-741055.61	1A	26		8		33247	5740	-2
ANT ON BLDG		404214.87	-740914.93	1A	50		32		5649	5846	-1
TREE		404218.39	-741055.15	1A	59		41		33430	5894	-2
BLDG		404216.02	-740915.15	1A	43		25		5556	5918	2
SIGN		404216.38	-741058.81	1A	43		25		33108	5922	15
OL ON SIGN		404218.68	-741100.56	1A	88		70		33139	6186	29
OL ON MOBILE CRANE		404059.54	-740858.00	1M	342	333	324		13543	6315	174
OL ON SIGN ON BLDG		404129.99	-741131.42	1A	277	268	259		28037	6495	109
LT POLE		404223.35	-740906.79	1A	72		54		5542	6900	-5
CRANE		404142.39	-740837.62	1A	174		156		9527	6965	6
ANT ON OL BLDG		404028.46	-741040.25	1A	28		10		21436	7011	14
POLE		404221.80	-741113.30	1A	93		75		32726	7093	2
ROD ON LT POLE		404033.94	-741058.61	1A	68		50		22650	7171	-12
LT POLE		404022.42	-741026.41	1A	48		30		20500	7295	-5

ARP	HCT	(CONTINUED)								
OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
ANT ON OL RTR TWR	404026.60	-741105.08	1A	86		68		22652	8065	-10
ANT ON OL ASR	404023.61	-741108.69	1A	113		95		22718	8471	1
TREE	404202.26	-741150.54	1A	118		100		30342	8492	8
OL ON TK	404256.77	-741026.86	1A	185		167		310	8612	17
LT	404021.03	-741107.81	1A	76		58		22558	8652	-11
LT	404018.05	-741106.14	1A	61		43		22412	8841	10
OL ON BLDG	404151.53	-741200.71	1A	185		167		29525	8942	17
SIGN	404241.78	-740850.70	1A	120		102		5332	9119	3
CHY ON OL BLDG	404118.78	-741215.50	1A	193		175		27501	9987	25
ROD ON STK	404103.04	-741215.71	1A	171		153		26617	10353	3
ANT ON OL BLDG	404231.27	-741206.59	1A	357	273	339		31559	10924	189
BLDG	404229.47	-741209.82	1A	297	234	279		31429	11039	156
OL ON BLDG	404252.73	-741149.46	1A	185		167		32900	11276	17
OL ON MOBILE CRANE	403945.56	-740923.45	1M	301	294	283		17604	11384	134
BLDG	404337.97	-741043.46	1A	241	220	223		51	12951	73
ANT ON OL BLDG	404327.72	-741129.02	1A	246		228		34449	13210	78
OL ON BRDG	404146.24	-740716.58	1A	267	268	249		9727	13211	99
OL ON RR BRDG	404157.33	-740712.23	1A	230	231	212		9256	13700	62
OL ANT ON BLDG	404348.10	-741026.64	1A	291	262	273		703	13754	123
ANT ON OL BLDG	404238.45	-741248.06	1A	328		310		31126	14049	161
TREE	404313.70	-741220.92	1A	282		264		32800	14488	114
ANT ON OL BLDG	404318.28	-741216.86	1A	253		235		33010	14603	85
ANT ON OL MCWV TWR	404403.66	-740956.15	1A	484	470	466		1629	15271	246
STAR ON DOME	404323.27	-741223.68	1A	279		261		33001	15330	104
SPIRE	403907.95	-741111.75	1A	226	200	208		21201	15499	58
ANT ON OL MCWV TWR	404405.21	-741039.84	1A	354	330	336		402	15608	106
TREE	404222.59	-741319.52	1A	260		242		30202	15640	26
LT	404235.67	-741316.64	1A	256		238		30648	15910	21
FLGPL ON BLDG	404411.96	-741015.00	1A	592	549	574		1109	16099	311
TREE	404354.33	-741150.36	1B	248		230		34415	16361	10
ANT ON OL BLDG	403943.68	-741257.80	1A	312	293	294		24313	17180	90
FLAG ON MOBILE CRANE (UNC)	403832.75	-741108.54	1M	256	252	238		20750	18844	-8
OL ON MOBILE CRANE	403829.26	-741120.38	1M	278	273	260		21010	19431	-12

RUNWAY 4R / 22L IS SCHEDULED TO BE MILLED AND REPAVED IN THE FALL OF 2004.

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