

AERONAUTICAL DATA SHEET
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 01/13/2003

PROJECT NUMBER: 905
 ARPT IDENTIFIER: MSS
 ARPT NAME: MASSENA INTERNATIONAL-RICHARDS FIELD
 CITY: MASSENA
 STATE: NEW YORK
 ARPT ELEVATION: 214.6
 AIRPORT REFERENCE POINT

SITE NUMBER: 15647.A
 SURVEY DATE: 08/31/2001
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88
 ATCT FLOOR ELEV:
 DECLINATION: 14.5W

DISTANCE FROM RWY END: 23+0
 LATITUDE: 445609.0
 LONGITUDE: -745044.0

RUNWAY INFORMATION

RUNWAY: 5/23 LENGTH: 4998 WIDTH: 100 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
5	445548.1078	-745057.8333	203.3	311318	204.8				
23	445630.3049	-745021.8186	214.6	2111343	214.6				

PROFILE DATA

DISTANCES FROM APPROACH END 5

DISTANCES FROM APPROACH END 23

DISTANCE	ELEV
0	203.3
717	202.2
2650	204.6
4088	206.0
4587	209.2
4998	214.6

DISTANCE	ELEV
0	214.6
411	209.2
910	206.0
2348	204.6
4280	202.2
4998	203.3

RUNWAY: 9/27 LENGTH: 4000 WIDTH: 100 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	445603.9794	-745116.1195	202.8	761350	204.6				
27	445613.3769	-745022.1089	204.4	2561428	204.6				

PROFILE DATA

DISTANCES FROM APPROACH END 9

DISTANCES FROM APPROACH END 27

DISTANCE	ELEV
0	202.8
925	202.2
2769	204.6
4000	204.4

DISTANCE	ELEV
0	204.4
1232	204.6
3075	202.2
4000	202.8

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NAVIGATIONAL AID INFORMATION

ELECTRONIC		LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
GS	(5)	445559.8089	-745054.3330	200.4		
GS	(5) PP	445557.7670	-745049.5908	202.6	399L	1144
LOC	(5)	445638.3224	-745014.9582	232.8		950
LOM	(5)	445114.6578	-745456.9059			32607
MM	(5)	445514.0321	-745122.7730			3890
VORTAC	(MSS)	445451.9963	-744321.5927	200.0		

VISUAL		LATITUDE	LONGITUDE
APBN		445550.2427	-745023.2443
PAPI	(5)		
PAPI	(27)		
REIL	(5)		
REIL	(27)		
VASI	(23)		

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OBSTRUCTION INFORMATION

5 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	445634.01	-745025.92	2C	239		36	34	24	-5166		447L	24
TREE	445631.34	-745026.78	1A	256		53	51	41	-4903		360L	42
TREE	445623.32	-745035.81	1A	246		43	41	31	-3871		494L	40
TREE	445621.15	-745037.63	1A	243		40	38	28	-3615		492L	38
TREE	445617.47	-745040.75	1A	243		40	38	28	-3180		491L	38
CLOM	445606.45	-745037.17	1A	207		4	2	-8	-2359		308R	3
OL ON LTD WSK	445603.44	-745051.78	1A	218		15	13	3	-1554		433L	14
OL ON GS	445559.81	-745054.33	1A	246		43	41	31	-1144		399L	44
GRD	445543.76	-745110.42	1A	221		18	16	6	846		546L	4
TREE	445536.93	-745058.77	1A	248		45	43	33	1003		529R	28
GRD	445539.16	-745105.24	1A	223		20	18	8	1051		14R	2
BLDG	445534.19	-745059.42	1A	249		46	44	34	1264		633R	24
TREE	445532.42	-745103.00	1A	256		53	51	41	1552		506R	25
POLE	445531.91	-745104.43	1A	257		54	52	42	1649		444R	25
POLE	445531.11	-745108.27	1A	252		49	47	37	1862		251R	16
TREE	445530.11	-745121.90	1A	259		56	54	44	2457		536L	10
TREE	445519.16	-745107.59	2C	271		68	66	56	2871		*920R	14
TREE	445515.44	-745124.55	1A	275		72	70	60	3826		71R	-1
TREE	445506.12	-745115.49	2C	297		94	92	82	4296		*1118R	12
TREE	445503.84	-745117.46	1A	310		107	105	95	4566		1117R	19
TREE	445503.57	-745121.12	1A	304		101	99	89	4726		905R	10
TREE	445500.55	-745138.82	1A	312		109	107	97	5648		25L	-1
TRMSN TWR	445417.27	-745157.19	1A	366		163	161	151	10082		1115R	-35
OL ON TWR	445410.85	-745300.65	1A	570	363	367	365	355	13004		*2455L	97

23 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	445559.81	-745054.33	1A	246		31	31	31	-3854		399R	44
OL ON LTD WSK	445603.44	-745051.78	1A	218		3	3	3	-3444		433R	14
CLOM	445606.45	-745037.17	1A	207		-8	-8	-8	-2638		308L	3
TREE	445617.47	-745040.75	1A	243		28	28	28	-1818		491R	38
TREE	445621.15	-745037.63	1A	243		28	28	28	-1382		492R	38
TREE	445623.32	-745035.81	1A	246		31	31	31	-1126		494R	40
TREE	445631.34	-745026.78	1A	256		41	41	41	-95		360R	42
TREE	445634.01	-745025.92	2C	239		24	24	24	168		447R	24
TREE	445629.38	-745014.01	1A	293		78	78	78	211		*528L	78
GRD	445631.38	-745015.93	1A	224		9	9	9	313		306L	6
TREE	445636.07	-745026.00	1A	279		64	64	64	343		*560R	60
TREE	445632.49	-745011.47	1A	284		69	69	69	575		522L	58
TREE	445638.42	-745023.99	1A	291		76	76	76	622		*559R	64
ANT ON BLDG	445636.48	-745012.19	1A	238		23	23	23	894		268L	3
OL ON LOC	445638.32	-745014.96	1A	241		26	26	26	950		1L	4
TREE	445642.68	-745019.61	1A	299		84	84	84	1154		514R	56
TREE	445636.79	-745005.42	1A	287		72	72	72	1173		*668L	43
TREE	445644.58	-745019.48	1A	324		109	109	109	1324		605R	76
TREE	445639.56	-745005.01	1A	275		60	60	60	1428		548L	24
TREE	445646.00	-745017.20	1A	322		107	107	107	1531		540R	68
TREE	445648.55	-745014.58	1A	308		93	93	93	1850		513R	45
TREE	445644.63	-744959.64	1A	283		68	68	68	2067		612L	13
TREE	445649.92	-744956.67	1A	292		77	77	77	2636		517L	5

9 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	445604.43	-745130.47	1A	255		52	50	40	992		290L	13
TREE	445557.05	-745136.01	1A	290		87	85	75	1557		341R	19
TREE	445602.99	-745141.72	1A	295		92	90	80	1812		341L	12

27 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	445617.27	-745016.90	1A	219		15	14	4	458		*294R	7
TREE	445612.35	-745005.60	1A	271		67	66	56	1128		384L	39
TREE	445618.86	-745007.54	1A	239		35	34	24	1150		290R	6
TREE	445613.34	-745003.90	1A	271		67	66	56	1272		316L	35
TREE	445612.66	-744954.68	1A	286		82	81	71	1899		*539L	31
TREE	445613.70	-744947.89	1A	297		93	92	82	2398		554L	28
TREE	445616.84	-744948.97	1A	302		98	97	87	2399		227L	33
TREE	445622.09	-744946.89	1A	296		92	91	81	2671		255R	19
TREE	445620.59	-744937.69	1A	312		108	107	97	3277		50L	17
TREE	445622.58	-744937.59	1A	303		99	98	88	3332		144R	6

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
TREE	445617.17	-745051.16	1A	301		86		34236	974	9
TREE	445618.67	-745049.57	1A	301		86		35215	1058	11
TREE	445616.02	-745058.95	1A	304		89		31757	1289	9
ROD ON OL ANT	445556.43	-745036.17	1A	286		71		17037	1392	26
TREE	445619.33	-745018.85	1A	252		37		7427	2090	8
BUSH	445617.27	-745016.90	1A	219		4		8115	2122	6
WSK ON HGR	445559.20	-745113.64	1A	246		31		25933	2352	5
TREE	445610.45	-745009.87	1A	257		42		10104	2459	12
TREE	445633.32	-745030.97	1A	277		62		3519	2636	32
TREE	445559.33	-745119.41	1A	246		31		26328	2729	17
TREE	445611.19	-745122.13	1A	299		84		28908	2752	14
TREE	445610.29	-745005.48	1A	274		59		10147	2774	14
TREE	445611.94	-745123.13	1A	301		86		29032	2830	1
TREE	445549.64	-745112.59	1A	280		65		24052	2841	7
TREE	445606.99	-745124.30	1A	244		29		28028	2906	4
TREE	445558.88	-745121.89	1A	252		37		26353	2912	16
TREE	445628.24	-745013.72	1A	303		88		6240	2923	73
TREE	445629.38	-745014.01	1A	293		78		6045	2986	74
TREE	445636.07	-745026.00	1A	279		64		3947	3032	54
TREE	445621.20	-745005.11	1A	259		44		8040	3058	12
TREE	445546.90	-745115.29	1A	283		68		23939	3175	7

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
TREE		445611.79	-744959.58	1A	291		76		9927	3208	34
TREE		445609.65	-744958.60	1A	299		84		10320	3267	10
TREE		445638.42	-745023.99	1A	291		76		4017	3309	63
TREE		445535.43	-745052.04	1A	282		67		20409	3449	5
TREE		445642.53	-745031.65	2C	327		112		2909	3510	0
TREE		445612.66	-744954.68	1A	286		71		9831	3567	26
TREE		445555.74	-745132.37	1A	292		77		26324	3730	8
TREE		445635.14	-745006.93	1A	288		73		5942	3758	42
TREE		445556.08	-745135.05	1A	286		71		26453	3899	7
TREE		445636.79	-745005.42	1A	287		72		5905	3952	37
TREE		445540.12	-745121.36	1A	277		62		23705	3972	0
TREE		445604.57	-745139.01	1A	290		75		27801	3982	9
TREE		445534.32	-745125.72	1A	275		60		23501	4620	5
TREE		445519.16	-745107.59	2C	271		56		21305	5325	12
TREE		445512.08	-745110.90	1A	290		75		21303	6081	7
OL TK		445712.25	-745040.45	1A	382		167		1647	6411	17
ROD ON OL MCWV TWR		445510.11	-745000.34	1A	421		206		16643	6741	56
TREE		445506.12	-745115.49	2C	297		82		21405	6760	11
TRMSN TWR		445647.83	-745203.59	2C	309		94		31859	6945	-56
TRMSN TWR		445721.45	-745158.04	2C	380		165		33832	9066	15
OL ON TRMSN TWR		445440.10	-745110.35	1A	380		165		20623	9201	15
TRMSN TWR		445740.49	-745102.96	1A	373		158		607	9366	8
OL ON TRMSN TWR		445431.39	-745127.31	1A	373		158		21200	10366	8
OL ON MCWV TWR		445552.67	-745326.39	1A	412	212	197		27627	11799	47
ANT ON OL TK		445524.68	-745316.32	1A	389		174		26214	11842	24
SPIRE		445534.09	-745329.78	1A	406		191		26800	12440	41
TRMSN TWR		445417.27	-745157.19	1A	366		151		21928	12482	1
OL ON TWR		445410.85	-745300.65	1A	570	363	355		23355	15488	92

ADDITIONAL INFORMATION:

. The Tree, elevation 239, in the primary area 200 feet outward from rwy end 23, was photogrammetrically determined, based on photography dated 12-Jun-1999. It represents the required OIS, as stated in the FAA No. 405.

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.