

AERONAUTICAL DATA SHEET
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 02/07/2005

PROJECT NUMBER: 117
 ARPT IDENTIFIER: DSM
 ARPT NAME: DES MOINES INTERNATIONAL AIRPORT
 CITY: DES MOINES
 STATE: IOWA
 ARPT ELEVATION: 957.6
 AIRPORT REFERENCE POINT

SITE NUMBER: 05950.A
 SURVEY DATE: 07/29/2004
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88
 ATCT FLOOR ELEV: 1019.0
 DECLINATION: 2.2E

DISTANCE FROM RWY END: 31+39
 LATITUDE: 413202.3
 LONGITUDE: -933947.1

RUNWAY INFORMATION

RUNWAY: 5/23 LENGTH: 9003 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
5	413124.1227	-934037.6028	915.7	534927	931.2				
23	413216.6130	-933902.0436	934.6	2335031	938.8				

PROFILE DATA

DISTANCES FROM APPROACH END 5

DISTANCES FROM APPROACH END 23

DISTANCE	ELEV
0	915.7
3106	931.6
5374	933.0
6613	937.4
7300	938.7
9003	934.6

DISTANCE	ELEV
0	934.6
1703	938.7
2390	937.4
3629	933.0
5898	931.6
9003	915.7

RUNWAY: 13/31 LENGTH: 9001 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
13	413244.1777	-934028.0273	911.6	1322014	920.7				
31	413144.2784	-933900.5529	957.6	3122112	957.6				

PROFILE DATA

DISTANCES FROM APPROACH END 13

DISTANCES FROM APPROACH END 31

DISTANCE	ELEV
0	911.6
1645	919.3
2841	920.7
3626	918.7
4079	919.3
6236	937.4
8167	954.4
8962	957.6
9001	957.6

DISTANCE	ELEV
0	957.6
39	957.6
834	954.4
2765	937.4
4923	919.3
5375	918.7
6160	920.7
7357	919.3
9001	911.6

DATE GENERATED: 02/07/2005

PROJECT NUMBER: 117
ARPT IDENTIFIER: DSM
ARPT NAME: DES MOINES INTERNATIONAL AIRPORT
CITY: DES MOINES
STATE: IOWA

SITE NUMBER: 05950.A
SURVEY DATE: 07/29/2004
HORIZONTAL DATUM: NAD83
VERTICAL DATUM: NAVD88

NAVIGATIONAL AID INFORMATION

ELECTRONIC		LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
ASR	(DSM)	413226.0435	-933910.4307	954.7		
DME	(5)	413222.0156	-933845.9838	939.2		
DME	(31)	413251.6882	-934032.7166	919.4		
GS	(5)	413132.9583	-934030.6609	917.5		
GS	(5) PP	413129.6866	-934027.4776	920.8	410L	954
GS	(13)	413235.6388	-934020.9257	912.7		
GS	(13) PP	413237.6483	-934018.4885	916.4	275R	981
GS	(31)	413148.5888	-933914.9478	952.3		
GS	(31) PP	413151.6201	-933911.2705	952.1	415L	1103
IM	(31)	413138.1158	-933851.5809			925
LOC	(5)	413224.2005	-933848.2446	929.2		1300
LOC	(13)	413139.7871	-933853.9971	957.7		675
LOC	(31)	413250.9960	-934037.9881	902.7		1025
LOM	(31)	412855.7280	-933450.5801			25551
MM	(13)	413309.0605	-934059.3423			3466
MM	(31)	413122.8534	-933829.3267			3216
OM	(13)	413600.0259	-934519.3454			29721
VORTAC	(DSM)	412613.1945	-933855.3440	940.0		

VISUAL		LATITUDE	LONGITUDE
ALS	(5)		
ALS	(13)		
ALS	(31)		
APBN		413159.1363	-933854.3075
PAPI	(5)		
PAPI	(23)		
PAPI	(31)		
REIL	(23)		
VASI	(13)		

PROJECT NUMBER: 117
 ARPT IDENTIFIER: DSM
 ARPT NAME: DES MOINES INTERNATIONAL AIRPORT
 CITY: DES MOINES
 STATE: IOWA

SITE NUMBER: 05950.A
 SURVEY DATE: 07/29/2004
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88

OBSTRUCTION INFORMATION

5 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	413211.66	-933905.44	1A	941		25	10	-17	-8499		252R	5
OL ON MARKER BOARD	413209.97	-933917.44	1A	943		27	12	-15	-7661		148L	5
OL ON MARKER BOARD	413207.61	-933915.15	1A	943		27	12	-15	-7661		148R	5
WDI ON EQUIP	413204.13	-933912.53	1A	949		33	18	-9	-7614		*550R	11
ELEC EQUIP	413140.79	-934013.89	1A	933		17	2	-25	-2452		297L	5
OL ON MARKER BOARD	413133.89	-934023.25	1A	928		12	-3	-30	-1465		153L	5
OL ON MARKER BOARD	413131.46	-934020.90	1A	927		11	-4	-31	-1464		150R	4
ROD ON OL GS	413132.96	-934030.66	1A	965		49	34	7	-954		410L	44
ROD ON BLDG	413112.79	-934045.92	1A	934		18	3	-24	1188		553R	-1
GRD	413116.35	-934055.68	1A	935		19	4	-23	1574		177L	-8
FENCE	413112.28	-934110.04	1A	973		57	42	15	2700		489L	8

23 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	413132.96	-934030.66	1A	965		30	26	7	-8049		410R	44
OL ON MARKER BOARD	413131.46	-934020.90	1A	927		-8	-12	-31	-7539		150L	4
OL ON MARKER BOARD	413133.89	-934023.25	1A	928		-7	-11	-30	-7538		153R	5
ELEC EQUIP	413140.79	-934013.89	1A	933		-2	-6	-25	-6551		297R	5
WDI ON EQUIP	413204.13	-933912.53	1A	949		14	10	-9	-1389		*550L	11
OL ON MARKER BOARD	413209.97	-933917.44	1A	943		8	4	-15	-1342		148R	5
OL ON MARKER BOARD	413207.61	-933915.15	1A	943		8	4	-15	-1342		148L	5
OL ON LTD WSK	413211.66	-933905.44	1A	941		6	2	-17	-504		252L	5
TREE	413227.91	-933855.81	1A	1017		82	78	59	1057		*644R	57
LT POLE	413227.61	-933853.16	1A	968		33	29	10	1202		500R	4
TREE	413228.54	-933852.73	1A	991		56	52	33	1284		557R	25
OL ON DME	413222.02	-933845.98	1A	944		9	5	-14	1309		279L	-23
TREE	413228.90	-933848.59	1A	992		57	53	34	1560		401R	17

23 C (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	413231.02	-933848.36	1A	1005		70	66	47	1701		563R	26
TREE	413234.19	-933844.48	1A	999		64	60	41	2128		648R	8
FLGPL	413227.10	-933834.57	1A	1001		66	62	43	2313		376L	4
TREE	413226.07	-933832.19	1A	1012		77	73	54	2398		567L	13
TREE	413225.65	-933828.33	1A	1026		91	87	68	2610		774L	21
TREE	413231.74	-933825.03	1A	1048		113	109	90	3176		425L	26
TREE	413240.15	-933826.83	1A	1034		99	95	76	3568		344R	1
TREE	413245.50	-933830.55	1A	1036		101	97	78	3659		*948R	0

13 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	413147.41	-933910.13	1A	965		53	44	7	-8250		257R	10
ELEC EQUIP	413149.96	-933913.28	1A	956		44	35	-2	-7898		228R	4
ROD ON OL GS	413148.59	-933914.95	1A	993		81	72	35	-7898		415R	41
OL ON MARKER BOARD	413154.41	-933911.74	1A	955		43	34	-3	-7681		185L	5
OL ON MARKER BOARD	413151.79	-933914.97	1A	955		43	34	-3	-7679		177R	5
TREE	413207.34	-933944.59	1A	938		26	17	-20	-4953		*531R	12
GRD	413216.48	-933941.04	1A	926		14	5	-32	-4529		335L	3
BUSH	413211.51	-933948.08	1A	932		20	11	-26	-4472		398R	10
AMOM	413218.71	-933956.39	1A	934		22	13	-24	-3514		285R	15
OL ON MARKER BOARD	413236.40	-934013.05	1A	923		11	2	-35	-1372		185L	5
OL ON MARKER BOARD	413233.77	-934016.28	1A	923		11	2	-35	-1370		177R	5
ROD ON OL GS	413235.64	-934020.93	1A	944		32	23	-14	-981		275R	28
OL ON LTD WSK	413241.18	-934018.39	1A	920		8	-1	-38	-746		269L	5
ROD ON BLDG	413251.50	-934032.81	1A	915		3	-6	-43	768		303L	-8
TREE	413257.83	-934034.34	1A	933		21	12	-25	1285		*699L	-1
TREE	413259.21	-934037.77	1A	938		26	17	-20	1573		626L	-1
TREE	413304.08	-934042.39	1A	944		32	23	-14	2164		753L	-7
TWR ON BLDG	413317.70	-934108.00	1A	967		55	46	9	4532		462L	-31

31 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	413241.18	-934018.39	1A	920	-38	-38	-38	-8255			269R	5
ROD ON OL GS	413235.64	-934020.93	1A	944	-14	-14	-14	-8020			275L	28
OL ON MARKER BOARD	413233.77	-934016.28	1A	923	-35	-35	-35	-7631			177L	5
OL ON MARKER BOARD	413236.40	-934013.05	1A	923	-35	-35	-35	-7629			185R	5
AMOM	413218.71	-933956.39	1A	934	-24	-24	-24	-5487			285L	15
BUSH	413211.51	-933948.08	1A	932	-26	-26	-26	-4529			398L	10
GRD	413216.48	-933941.04	1A	926	-32	-32	-32	-4472			335R	3
TREE	413207.34	-933944.59	1A	938	-20	-20	-20	-4048			*531L	12
OL ON MARKER BOARD	413151.79	-933914.97	1A	955	-3	-3	-3	-1323			177L	5
OL ON MARKER BOARD	413154.41	-933911.74	1A	955	-3	-3	-3	-1320			185R	5
ELEC EQUIP	413149.96	-933913.28	1A	956	-2	-2	-2	-1103			228L	4
ROD ON OL GS	413148.59	-933914.95	1A	993	35	35	35	-1103			415L	41
OL ON LTD WSK	413147.41	-933910.13	1A	965	7	7	7	-751			257L	10
ROD ON BLDG	413137.30	-933901.22	1A	967	9	9	9	438			*556L	4
RD(N)	413136.42	-933859.91	1A	966	8	8	8	572			555L	1
ANT ON BLDG	413141.33	-933852.23	1A	970	12	12	12	669			206R	3
OL ON LOC	413139.79	-933854.00	1A	965	7	7	7	675			0R	-2
LT POLE	413139.68	-933840.17	1A	987	29	29	29	1459			*701R	4
LT POLE	413138.27	-933841.54	1A	979	21	21	21	1479			525R	-4
LT POLE	413136.55	-933842.64	1A	984	26	26	26	1534			340R	-1
TREE	413124.85	-933836.26	1A	1015	57	57	57	2690			209L	7

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
TREE	413207.34	-933944.59	1A	938	-20			1817	545	7
LT POLE	413145.93	-933938.64	1A	984	26			15635	1777	0
LT POLE	413147.51	-933931.21	1A	1010	52			13852	1924	-5
OL ON LT POLE	413151.63	-933924.42	1A	980	22			11950	2035	10
LT POLE	413146.31	-933929.44	1A	1044	86			13807	2103	4
FLGPL	413222.69	-933934.37	1A	1001	43			2256	2279	-13
ANT ON OL ATCT	413220.40	-933926.81	1A	1048	90			3753	2396	-2
WDI ON EQUIP	413204.13	-933912.53	1A	949	-9			8346	2636	4
RD(N)	413228.22	-933950.86	1A	956	-2			35134	2639	6
ROD ON ASOS	413202.22	-933911.31	1A	976	18			8758	2722	1

ARP	HCT	(CONTINUED)								
OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
ANT ON OL TWR	413230.90	-933943.30	1A	1027		69		330	2910	-6
OL ON LT POLE	413144.33	-933913.83	1A	989		31		12330	3117	9
TREE	413225.42	-934018.91	1A	973		15		31151	3366	-9
LT ON TWR	413227.25	-934017.33	1A	944		-14		31529	3416	-7
LT POLE	413235.25	-933957.83	1A	967		9		34403	3434	-8
LT	413235.25	-934000.16	1A	955		-3		34113	3479	-2
TREE	413131.25	-934008.52	1A	949		-9		20512	3541	-9
ROD ON OL ASR	413226.04	-933910.43	1A	1032		74		4702	3682	5
HGR	413236.82	-934002.68	1A	949		-9		33904	3690	-6
RTR TWR	413229.91	-934024.32	1A	950		-8		31226	3978	-21
ANT + APBN ON OL BLDG	413159.14	-933854.31	1A	1020		62		9221	4028	-68
TREE	413135.09	-933906.95	1A	1020		62		12950	4112	-11
TREE	413136.23	-934030.91	1A	950		-8		22925	4250	2
LT	413149.50	-933853.34	1A	989		31		10522	4290	-6
ROD ON BLDG	413137.30	-933901.22	1A	967		9		12344	4311	1
HGR	413213.67	-933850.11	1A	968		10		7255	4485	-11
TREE	413227.93	-933856.99	1A	1020		62		5333	4610	48
FENCE	413124.45	-934021.82	1A	930		-28		21222	4653	-17
TREE	413227.91	-933855.81	1A	1017		59		5411	4683	52
TREE	413121.62	-934024.78	1A	958		0		21238	5017	-1
TREE	413142.99	-933841.58	1A	1012		54		10912	5353	2
LT POLE	413139.68	-933840.17	1A	987		29		11200	5582	3
TREE	413140.84	-933839.33	1A	1002		44		11038	5593	-1
TREE	413125.08	-933852.39	1A	1024		66		12957	5613	-6
LT	413250.74	-934023.12	1A	932		-26		32836	5616	-14
TREE	413125.39	-933850.90	1A	1017		59		12856	5677	2
POLE	413253.64	-934028.10	1A	936		-22		32650	6060	-4
TREE	413223.76	-933829.38	1A	1018		60		6737	6297	3
TREE	413257.83	-934034.34	1A	933		-25		32513	6671	-6
TREE	413106.58	-934044.07	1A	1003		45		21520	7113	-2
TREE	413132.85	-933821.57	1A	1033		75		11224	7156	-13
TREE	413123.67	-934106.45	1A	1026		68		23452	7192	4
TREE	413245.50	-933830.55	1A	1036		78		5053	7281	-2
TREE	413307.50	-934044.39	1A	977		19		32422	7908	11

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.