

AERONAUTICAL DATA SHEET
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 05/02/2003

PROJECT NUMBER: 192
 ARPT IDENTIFIER: HLN
 ARPT NAME: HELENA REGIONAL AIRPORT
 CITY: HELENA
 STATE: MONTANA
 ARPT ELEVATION: 3877.0
 AIRPORT REFERENCE POINT

DISTANCE FROM RWY END: 5+0
 LATITUDE: 463624.5
 LONGITUDE: -1115857.9

SITE NUMBER: 12402.A
 SURVEY DATE: 10/16/2002
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88
 ATCT FLOOR ELEV: 3949.0
 DECLINATION: 14.8E

RUNWAY INFORMATION

RUNWAY: 5/23 LENGTH: 4644 WIDTH: 75 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	463620.1561	-1115950.7947	3877.0	661426	3877.0				
23	463638.6139	-1115849.9355	3819.5	2461511	3850.3				

PROFILE DATA

DISTANCES FROM APPROACH END 5

DISTANCES FROM APPROACH END 23

DISTANCE	ELEV
0	3877.0
1663	3850.1
2429	3836.2
3139	3826.1
3724	3822.1
4586	3819.9
4644	3819.5

DISTANCE	ELEV
0	3819.5
58	3819.9
919	3822.1
1505	3826.1
2214	3836.2
2980	3850.1
4644	3877.0

RUNWAY: 9/27 LENGTH: 9000 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	463630.2887	-1115951.6790	3863.6	1024118	3863.6				
27	463610.7599	-1115745.9565	3844.7	2824250	3851.6				

PROFILE DATA

DISTANCES FROM APPROACH END 9

DISTANCES FROM APPROACH END 27

DISTANCE	ELEV
0	3863.6
768	3858.3
1624	3850.1
2109	3847.4
2597	3846.8
4387	3851.7
5778	3851.9
7183	3848.9
8375	3844.4
9000	3844.7

DISTANCE	ELEV
0	3844.7
625	3844.4
1817	3848.9
3222	3851.9
4613	3851.7
6403	3846.8
6891	3847.4
7376	3850.1
8232	3858.3
9000	3863.6

RUNWAY: 16/34 LENGTH: 2989 WIDTH: 75 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
16	463643.8226	-1115850.7830	3811.8	1792028					
34	463614.3266	-1115850.2909	3862.2	3592029					

PROFILE DATA

DISTANCES FROM APPROACH END 16

DISTANCES FROM APPROACH END 34

DISTANCE	ELEV
0	3811.8
551	3819.9

DISTANCE	ELEV
0	3862.2
654	3851.7

DISTANCES FROM APPROACH END 16

DISTANCE	ELEV
1543	3839.5
2336	3851.7
2989	3862.2

DISTANCES FROM APPROACH END 34

DISTANCE	ELEV
1447	3839.5
2438	3819.9
2989	3811.8

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NAVIGATIONAL AID INFORMATION

ELECTRONIC	LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
GS (27)	463615.9515	-1115759.2194	3841.2		
GS (27) PP	463612.9736	-1115800.1940	3845.8	309R	1019
LOC (27)	463632.8897	-1120008.4387	3862.4		1200
MM (27)	463604.0644	-1115702.7853			3090
NDB (CVP)	463624.0449	-1115613.7833			
NDB (HAU)	463408.0247	-1114529.0191			
OM (27)	463508.3956	-1115104.2009			28765
VORTAC (HLN)	463624.5550	-1115712.5107	3823.4		

VISUAL	LATITUDE	LONGITUDE
ALS (27)		
APBN	463608.8662	-1115942.8649
PAPI (5)		
PAPI (23)		
REIL (9)		
VASI (9)		
VASI (27)		

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OBSTRUCTION INFORMATION

5 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GRD	463619.85	-1115947.80	1A	3875		-2	-2	-2	-179		112R	1
GRD	463620.26	-1115953.81	1A	3880		3	3	3	188		95L	3
GRD	463618.55	-1115952.85	1A	3881		4	4	4	197		91R	4
OL ON HGR	463616.36	-1115955.52	1A	3905		28	28	28	457		219R	15
ROD ON BLDG	463613.47	-1120001.43	1A	3943		66	66	66	953		321R	28
TREE	463612.72	-1120001.86	1A	3964		87	87	87	1011		*379R	46
POLE	463613.13	-1120007.09	1A	3934		57	57	57	1328		193R	1
TREE	463615.41	-1120011.52	1A	3953		76	76	76	1519		143L	10
TREE	463616.33	-1120013.82	1A	3948		71	71	71	1628		293L	0
POLE	463613.97	-1120020.66	1A	3965		88	88	88	2161		267L	-10
POLE	463607.25	-1120016.94	1A	3996		119	119	119	2198		*462R	19
OL MCWV TWR	463559.25	-1120047.04	1A	4054		177	177	177	4448		356R	-35

23 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GRD	463618.55	-1115952.85	1A	3881		62	31	4	-4840		91L	4
GRD	463620.26	-1115953.81	1A	3880		61	30	3	-4832		95R	3
GRD	463619.85	-1115947.80	1A	3875		56	25	-2	-4464		112L	1
GRD	463638.42	-1115846.64	1A	3821		2	-29	-56	203		111L	1
FENCE	463638.09	-1115842.07	1A	3830		11	-20	-47	481		270L	-4
TREE	463648.16	-1115822.05	1A	3847		28	-3	-30	2172		102R	-71

9 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	463608.94	-1115750.14	1A	3851		-13	-13	-26	-8756		244R	6
ANT ON OL GS	463615.95	-1115759.22	1A	3890		26	26	13	-7981		309L	44
GRD	463613.61	-1115837.59	1A	3863		-1	-1	-14	-5419		*511R	12
GRD	463614.43	-1115841.67	1A	3859		-5	-5	-18	-5123		493R	7
GRD	463616.75	-1115853.84	1A	3855		-9	-9	-22	-4242		450R	4
WSK	463626.57	-1115946.46	1A	3870		6	6	-7	-438		288R	10
GRD	463627.39	-1115955.61	1A	3869		5	5	-8	203		347R	6
TREE	463627.76	-1120015.52	1A	3906		42	42	29	1568		615R	16
BLDG	463626.71	-1120016.24	1A	3917		53	53	40	1593		*731R	25
LT	463629.87	-1120016.40	1A	3901		37	37	24	1675		421R	8
POLE	463635.91	-1120037.24	1A	3924		60	60	47	3229		143R	-1
TREE	463732.93	-1120919.81	2C	5256		1392	1392	1379	40095		2480R	445
TREE	463732.60	-1121019.38	2C	5330		1466	1466	1453	44146		3418R	418
TREE	463838.38	-1121033.54	2C	5340		1476	1476	1463	46561		2873L	368
TREE	463805.92	-1121134.43	2C	5225		1361	1361	1348	49993		1261R	167

27 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	463626.57	-1115946.46	1A	3870		25	18	-7	-8562		288L	10
GRD	463616.75	-1115853.84	1A	3855		10	3	-22	-4758		450L	4
GRD	463614.43	-1115841.67	1A	3859		14	7	-18	-3877		493L	7
GRD	463613.61	-1115837.59	1A	3863		18	11	-14	-3581		*511L	12
ANT ON OL GS	463615.95	-1115759.22	1A	3890		45	38	13	-1019		309R	44
WSK	463608.94	-1115750.14	1A	3851		6	-1	-26	-244		244L	6
ROD ON BLDG	463612.35	-1115730.21	1A	3853		8	1	-24	1037		400R	-8
POLE	463600.59	-1115725.11	1A	3875		30	23	-2	1647		685L	2

16 AV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GRD	463612.35	-1115850.22	1A	3865		533	865	-12	-3189		3L	3
RD(N)	463650.07	-1115851.45	1A	3819		738	19	-58	634		39R	-14

16 AV (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	463701.86	-1115853.21	1A	3821		93821		-56	1829		149R	-72

34 AV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GRD	463612.35	-1115850.22	1A	3865		33865		-12	200		3R	3
RD(N)	463607.79	-1115850.04	1A	3891		293891		14	663		10R	6
LT	463606.23	-1115853.43	1A	3901		393901		24	818		*228L	8
RD(N)	463554.85	-1115849.76	1A	3918		563918		41	1973		14R	-32

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
OL ON LTD WSK	463633.01	-1115857.58	1A	3855		-22		34641	863	25
ANT ON OL ATCT	463610.29	-1115858.53	1A	3984		107		16657	1441	50
HGR	463610.44	-1115846.01	1A	3893		16		13457	1649	0
GRD	463613.61	-1115837.59	1A	3863		-14		11304	1797	10
ROD ON OL AMOM	463616.13	-1115920.94	1A	3900		23		22724	1819	-8
LT	463606.23	-1115853.43	1A	3901		24		15537	1877	2
BLDG	463607.11	-1115846.17	1A	3904		27		14016	1943	1
LT	463609.54	-1115840.26	1A	3917		40		12605	1953	0
LT	463636.19	-1115922.53	1A	3907		30		28945	2088	9
LT	463609.28	-1115834.74	1A	3913		36		11850	2235	4
ROD ON OL RTR TWR	463617.19	-1115929.61	1A	3923		46		23642	2335	9
ROD ON OL RTR TWR	463618.62	-1115931.21	1A	3918		41		24049	2401	20
ANT + APBN ON OL BLDG	463608.87	-1115942.86	1A	3951		74		22826	3517	-71
LT	463612.47	-1115953.20	1A	3956		79		23741	4050	13
ANT ON BLDG	463622.09	-1115956.96	1A	3913		36		25148	4132	17
TREE	463612.72	-1120001.86	1A	3964		87		24014	4623	40
BLDG	463626.71	-1120016.24	1A	3917		40		25732	5475	22
SIGN	463529.49	-1115903.91	1A	4034		157		16930	5590	7
LT	463528.11	-1115910.11	1A	4032		155		17341	5777	5
POLE	463607.25	-1120016.94	1A	3996		119		23738	5790	17

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
POLE		463559.29	-1115725.28	1A	3887		10		9644	6954	0
LT		463527.90	-1115955.04	1A	4085		208		20002	6987	58
OL MCWV TWR		463559.25	-1120047.04	1A	4054		177		23639	8040	27
SPIRE		463537.37	-1120039.79	1A	4106		229		22120	8570	79
GRD		463454.42	-1115802.16	1A	4234		357		14205	9923	207
OL TWR		463524.27	-1120102.82	1A	4215		338		22014	10648	188
TREE		463432.09	-1115904.77	1A	4383		506		16737	11400	308
OL NDB		463624.04	-1115613.78	1A	3956		79		7525	11461	-71
MON ON BLDG		463508.74	-1120106.25	1A	4295		418		21438	11802	268
SPIRE		463545.82	-1120138.08	1A	4120		243		23554	11853	93
TRMSN TWR		463452.02	-1115657.65	1A	4132		255		12319	12584	105
GRD		463435.29	-1120025.58	1A	4408		531		19410	12648	287
TRMSN TWR		463438.28	-1115708.87	1A	4161		284		12954	13185	134
SPIRE		463525.11	-1120201.79	1A	4303		426		23006	14184	221
ANT ON BLDG		463601.68	-1120218.84	1A	4152		275		24552	14222	100
TREE		463402.36	-1115908.90	1A	4648		771		16815	14423	423
TREE		463401.23	-1115835.55	1A	4597		720		15903	14601	392
GRD		463428.45	-1120106.73	1A	4709		832		20238	14807	514
SPIRE		463540.31	-1120226.49	1A	4223		346		23808	15240	108
OL STK		463456.50	-1115527.80	1A	4350	423	473		10627	17172	221
ANT ON OL STK		463508.83	-1115515.72	1A	4348	384	471		10128	17309	220
OL STK		463450.77	-1115517.27	1A	4348	418	471		10649	18102	172
TREE		463651.17	-1120911.72	2C	5252		1375		25852	42947	446

ADDITIONAL INFORMATION:

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.