

OBSTRUCTION DATA SHEET

**ODS 5983
YAMPA VALLEY AIRPORT
HAYDEN, COLORADO**

DIGITIZED FROM

**OC 5983
SURVEYED JULY 1991
5TH EDITION**



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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

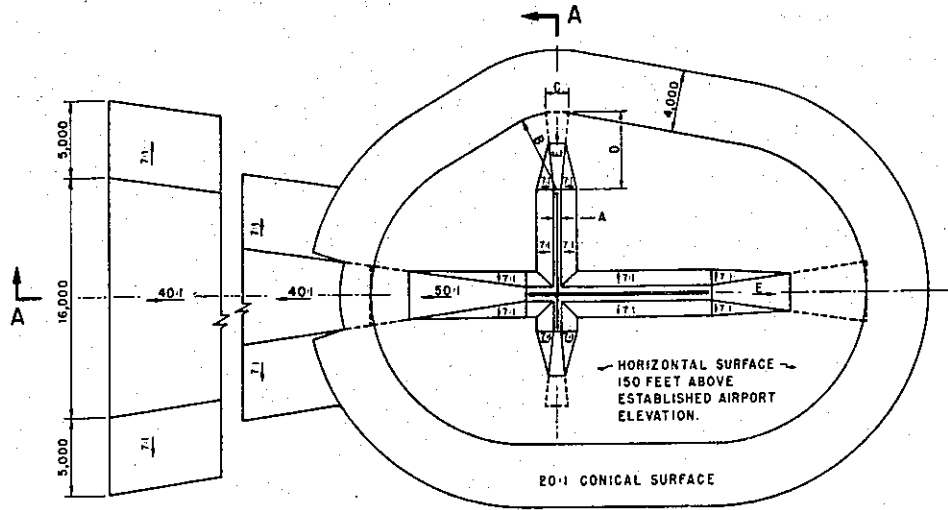
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

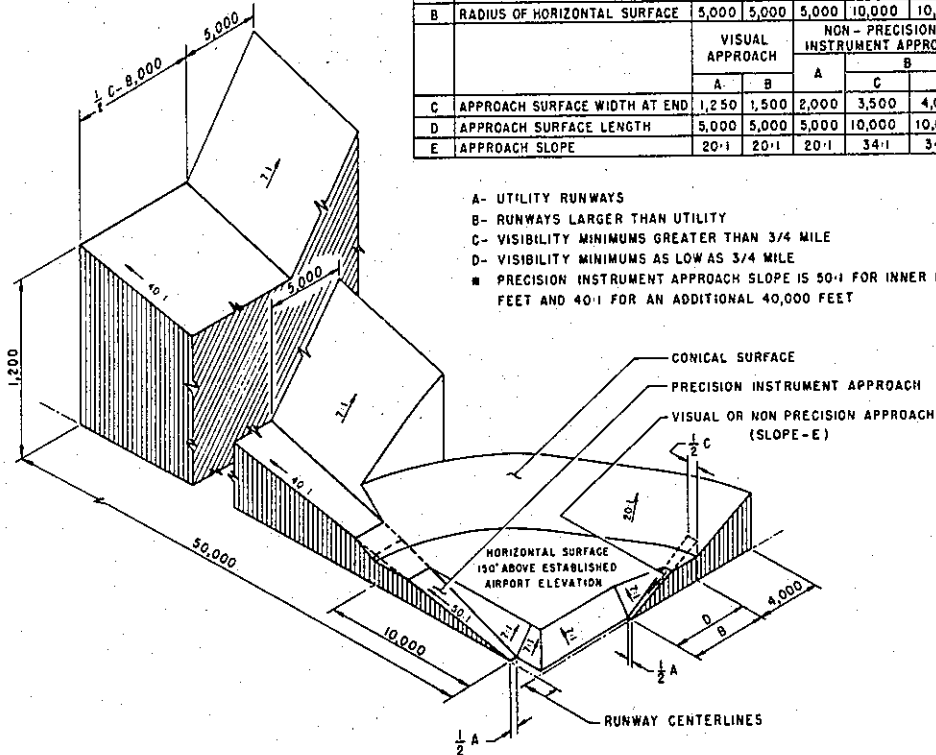
A(V) Utility runway - visual approach only
 A(NP) Utility runway - nonprecision instrument approach
 B(V) Nonutility runway - visual approach only
 C Nonutility runway - nonprecision instrument approach with
 visibility minimums greater than 3/4 mile
 D Nonutility runway - nonprecision instrument approach with
 visibility minimums as low as 3/4 mile
 PIR Precision instrument runway
 SUPLC ... Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY		PRECISION INSTRUMENT RUNWAY	
		A	B	A	C		D
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		A	B	A	C		D
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	#
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	a



- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- #- PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ISOMETRIC VIEW OF SECTION A-A

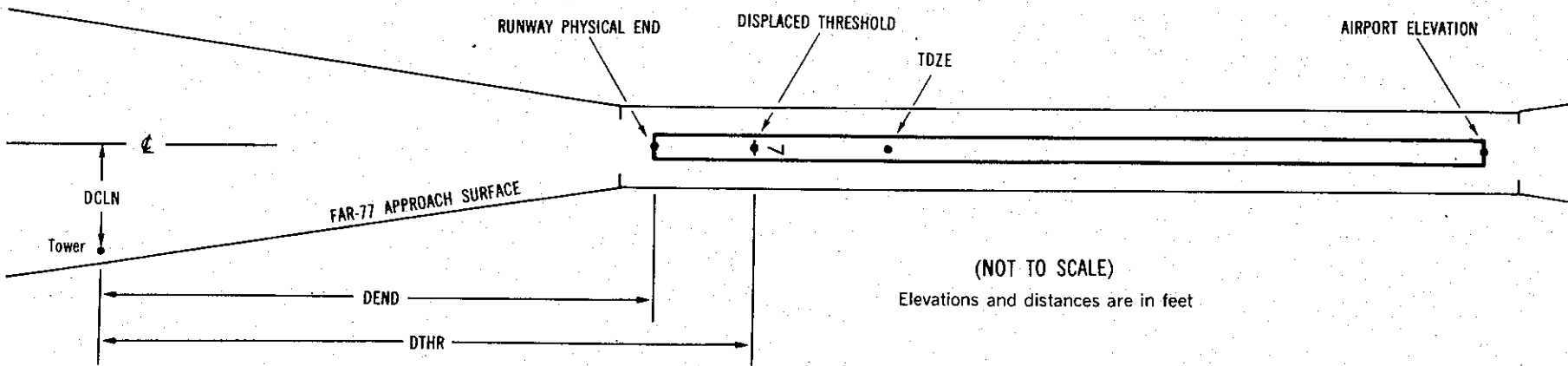
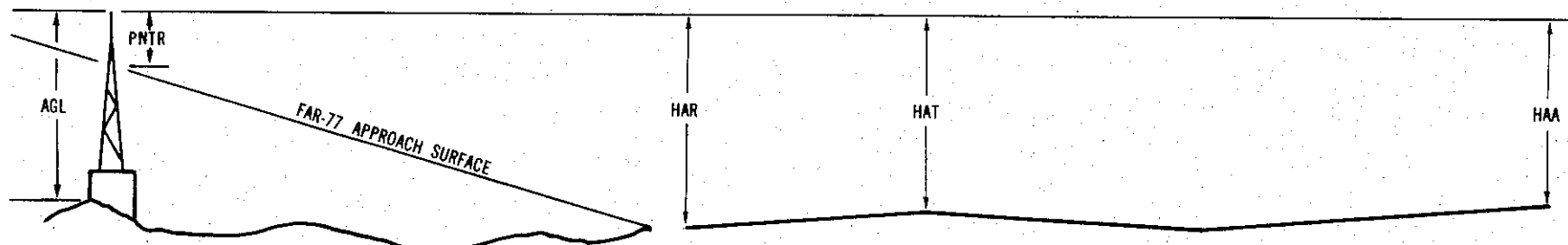
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X ¹	X ² XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXXXX.XXX ⁷					
OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX



(NOT TO SCALE)
Elevations and distances are in feet.

EXPLANATION OF FOOTNOTES

- 1 Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- 2 For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)
- 3 Reference runway approach physical end elevation/touchdown zone elevation
- 4 Latitude and longitude of reference runway approach physical end
- 5 Reference runway geodetic azimuth reckoned clockwise from south
- 6 Reference runway displaced threshold elevation/touchdown zone elevation
- 7 Latitude and longitude of reference runway displaced threshold
- 8 Accuracy Code:
- | | Horizontal | Vertical |
|---|------------|----------|
| 1 | = 20 | A = 2 |
| 2 | = 40 | B = 5 |
| | | C = 20 |
- 9 Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- 10 Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ± 10 feet.
- 11 HAA - Height above airport
 HAR - Height above reference runway approach physical end
 HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
 DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
 DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.
- A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.
- 13 PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

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AIRPORT ELEVATION 6602

10 PIR 6576/ 402912.218N 10714 0.591W 2934317 6579/6587 402910.230N 1071354.668W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	402832.69	1071213.96	1A	6609		33	22	7	-9153	-8653	346R	9
OL LIGHTED WINDSOCK	402833.54	1071215.68	1A	6620		44	33	18	-8997	-8497	320R	21
GROUND	402841.41	1071218.64	1A	6601		25	14	-1	-8467	-7967	316L	3
GROUND	402836.30	1071227.41	1A	6603		27	16	1	-8054	-7554	430R	6
GROUND	402849.45	1071241.55	1A	6599		23	12	-3	-6518	-6018	349L	8
GROUND	402853.39	1071317.18	1A	6594		18	7	-8	-3837	-3337	394R	7
OL ON LIGHTED WINDSOCK	402852.57	1071318.22	1A	6621		45	34	19	-3797	-3297	503R	34
GROUND	402857.57	1071329.47	1A	6594		18	7	-8	-2798	-2298	389R	9
OL ON GLIDE SLOPE	402903.24	1071344.77	1A	6625		49	38	23	-1485	-985	340R	42
OL ON LIGHTED WINDSOCK	402909.83	1071343.82	1A	6592		16	5	-10	-1283	-784	301L	10
VOR/DME	403112.40	1071815.43	2C	7291		715	704	689	22915	23415	3224L	197

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AIRPORT ELEVATION 6602

28 SUPLC 6602/6602 402832.459N 10712 2.159W 1134433

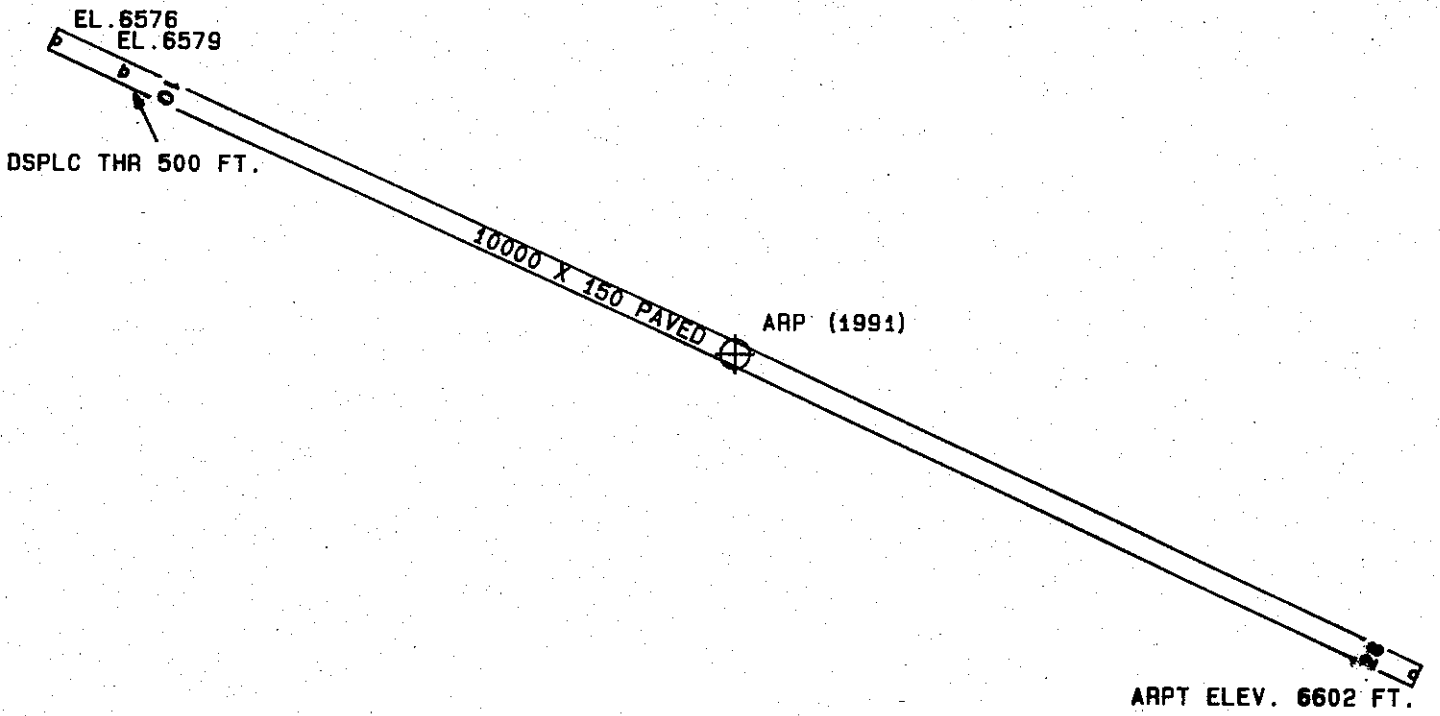
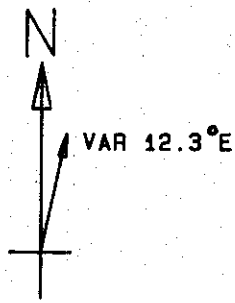
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LIGHTED WINDSOCK	402909.83	1071343.82	1A	6592		-10	-10	-10	-8714		301R	10
OL ON GLIDE SLOPE	402903.24	1071344.77	1A	6625		23	23	23	-8513		340L	42
GROUND	402857.57	1071329.47	1A	6594		-8	-8	-8	-7200		389L	9
OL ON LIGHTED WINDSOCK	402852.57	1071318.22	1A	6621		19	19	19	-6200		503L	34
GROUND	402853.39	1071317.18	1A	6594		-8	-8	-8	-6160		394L	7
GROUND	402849.45	1071241.55	1A	6599		-3	-3	-3	-3479		349R	8
GROUND	402836.30	1071227.41	1A	6603		1	1	1	-1943		430L	6
GROUND	402841.41	1071218.64	1A	6601		-1	-1	-1	-1530		316R	3
OL LIGHTED WINDSOCK	402833.54	1071215.68	1A	6620		18	18	18	-1001		320L	21
GROUND	402832.69	1071213.96	1A	6609		7	7	7	-844		346L	9
OL DME	402830.94	1071148.98	1A	6616		14	14	14	994		270R	-9
OL LOCALIZER	402828.49	1071150.32	1A	6607		5	5	5	999		0R	-19
ROAD (N)	402822.64	1071150.53	1A	6643		41	41	41	1223		548L	11
GROUND	402819.25	1071145.57	1A	6655		53	53	53	1712		707L	9
TRANSMISSION TOWER	402818.26	1071116.54	1A	6717		115	115	115	3806		104R	9
TRANSMISSION TOWER	402824.78	1071112.04	1A	6717		115	115	115	3858		849R	7

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AIRPORT ELEVATION 6602

ARP 402852.342N 1071301.370W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
POLE	402844.99	1071259.90	1A	6616		14	159	1	752
POLE	402843.01	1071253.93	1A	6612		10	136	22	1106
ROD ON OL AIRPORT BEACON	402902.97	1071305.37	1A	6639		37	331	39	1119
FLOODLIGHT POLE	402903.19	1071312.04	1A	6628		26	310	49	1373
FLOODLIGHT POLE	402903.98	1071314.38	1A	6629		27	307	14	1549
POLE	402853.89	1071330.50	1A	6630		28	261	41	2257
FENCE	402855.16	1071330.38	1A	6611		9	264	57	2260
POLE	402909.87	1071327.46	1A	6631		29	299	3	2685
POLE	402912.17	1071334.25	1A	6626		24	296	0	3238
FENCE	402859.89	1071344.27	1A	6607		5	270	41	3402
POLE	402914.92	1071342.69	1A	6625		23	293	18	3926
FENCE	402902.65	1071352.39	1A	6597		-5	272	32	4078
POLE	402917.88	1071351.28	1A	6616		14	291	32	4642
FENCE	402906.47	1071405.37	1A	6588		-14	273	50	5148
GROUND	402818.41	1071146.05	1A	6660		58	108	14	6758
OL RADIO TOWER	402954.40	1071217.44	1A	6742	265	140	16	5	7139
TRANSMISSION TOWER	402836.71	1071116.00	1B	6748		146	88	41	8295
TRANSMISSION TOWER	402734.50	1071203.84	1B	6811		209	138	15	9046
TRANSMISSION TOWER	402725.86	1071230.82	1B	6827		225	152	36	9064
ROD ON OL STACK	402913.47	1071105.94	1A	6906	399	304	64	13	9172
TRANSMISSION TOWER	402722.06	1071241.98	1B	6812		210	158	23	9258
TRANSMISSION TOWER	402722.88	1071235.35	1B	6794		192	155	10	9274
TRANSMISSION TOWER	402802.39	1071116.27	1B	6745		143	109	35	9567
ANTENNA	403114.80	1071746.20	2C	7391		789	290	57	26306
POLE	403114.18	1071755.37	2C	7281		679	290	1	26868



TOUCHDOWN ZONE RUNWAY ELEVATION	
10	6587
28	6602

YAMPA VALLEY AIRPORT
HAYDEN, COLORADO
(NOT TO SCALE)