

OBSTRUCTION DATA SHEET

ODS 5560
PORT MEADVILLE AIRPORT
MEADVILLE, PENNSYLVANIA

DIGITIZED FROM

OC 5560
SURVEYED JUNE 1987
2ND EDITION



PREPARED AND DISTRIBUTED BY
THE NATIONAL OCEAN SERVICE
U.S. DEPARTMENT OF COMMERCE
FOR THE FEDERAL AVIATION ADMINISTRATION

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:

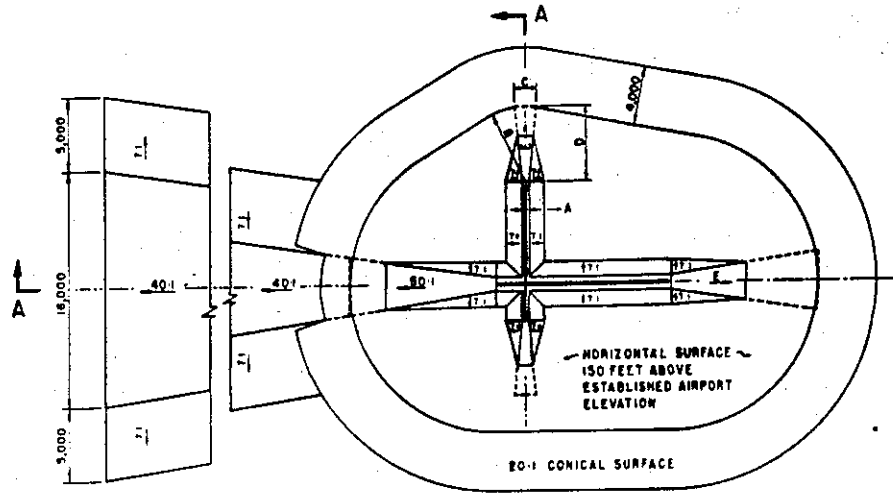
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the 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)

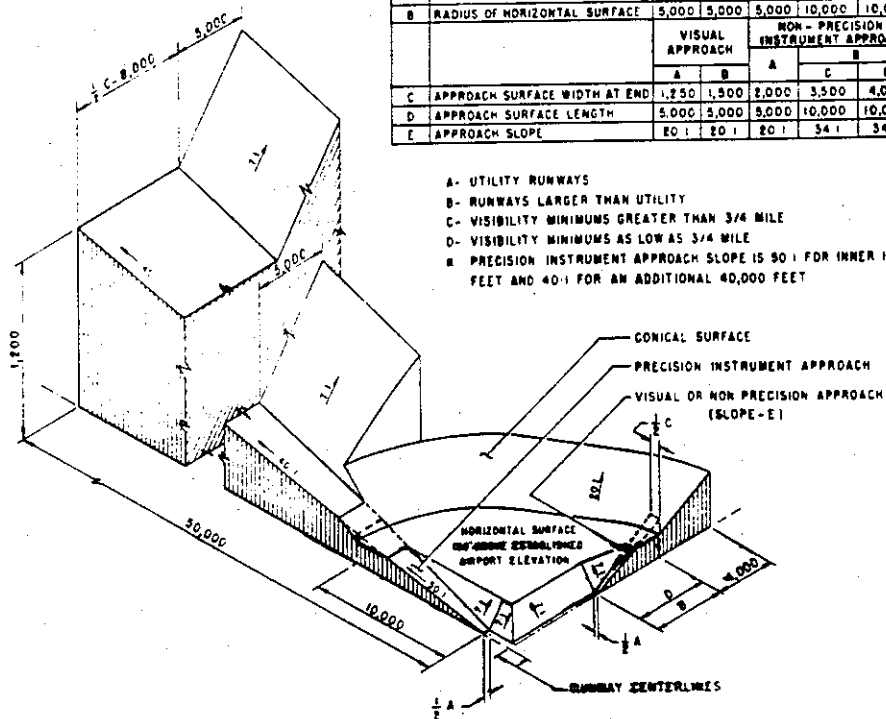
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	500	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	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
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- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- E- PRECISION INSTRUMENT APPROACH SLOPE IS 30:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

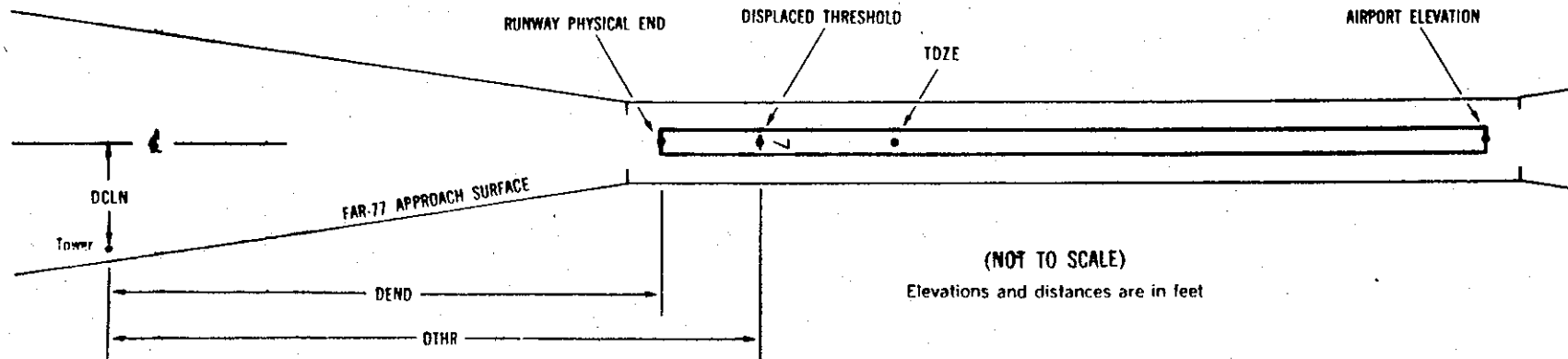
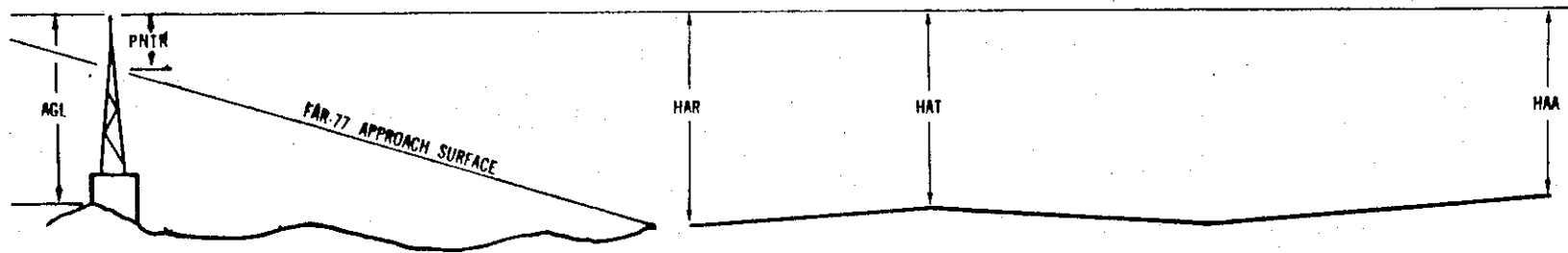
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

	x ¹	x ² XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXX.XXX ⁴	XXXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXXX.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 1400

7 C 1393/1400 413723.371N 0801322.656W 2411332

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	413745.99	0801234.42	1A	1411		18	11	11	-4313		243L	13
TREE	413744.73	0801235.87	1A	1427		34	27	27	-4155		185L	29
OL WINDSOCK	413737.81	0801242.15	1A	1428		35	28	28	-3400		200R	29
GROUND	413739.41	0801250.51	1A	1416		23	16	16	-2921		248L	16
GROUND	413733.56	0801252.56	1A	1408		15	8	8	-2500		196R	8
BUSH	413733.06	0801254.85	1A	1411		18	11	11	-2323		157R	11
TREE	413730.29	0801311.62	1A	1451		58	51	51	-1072		210L	54
TREE	413725.35	0801313.88	1A	1410		17	10	10	-680		145R	14
TREE	413726.63	0801320.41	1A	1426		33	26	26	-308		207L	31
TREE	413724.45	0801324.24	1A	1407		14	7	7	53		154L	14
OL ON LOCALIZER	413721.93	0801326.16	1A	1390		-3	-10	-10	304		OL	-6
TREE	413721.56	0801330.44	1A	1420		27	20	20	606		124L	15
TREE	413716.38	0801330.15	1A	1443		50	43	43	840		346R	31
TREE	413718.37	0801332.13	1A	1438		45	38	38	874		97R	25
TREE	413717.16	0801332.09	1A	1439		46	39	39	931		206R	25
TREE	413718.40	0801337.30	1A	1439		46	39	39	1217		94L	16
TREE	413718.51	0801339.88	1A	1440		47	40	40	1383		198L	12

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AIRPORT ELEVATION 1400

25 0 1397/ 413747.152N 0801224.932W 0611410 1398/1400 413745.199N 0801229.673W

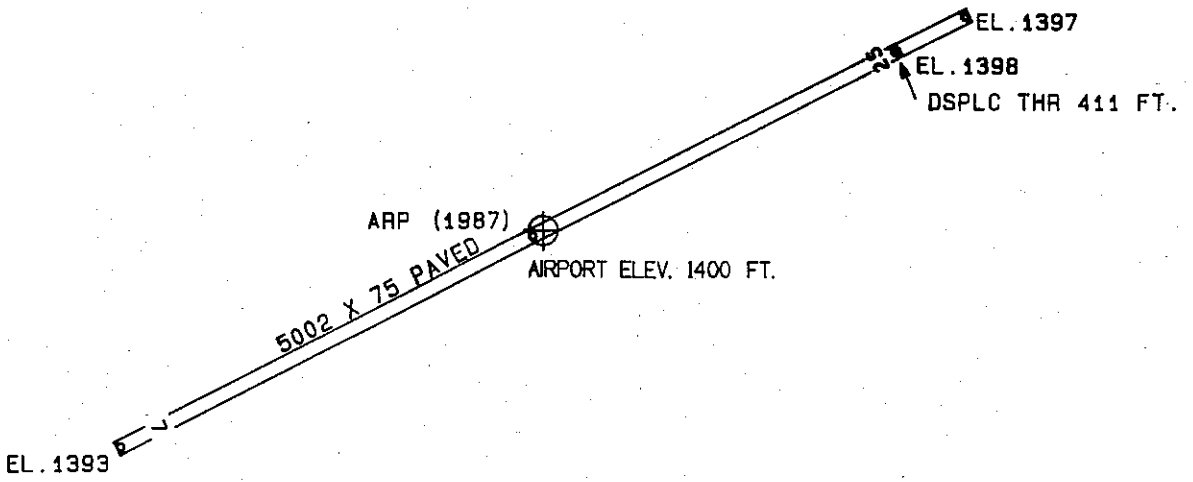
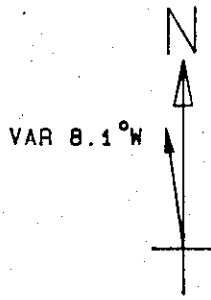
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	FNTR
TREE	413724.45	0801324.24	1A	1407		10	7	7	-5054	-4644	154R	14
TREE	413726.63	0801320.41	1A	1426		29	26	26	-4693	-4282	207R	31
TREE	413725.35	0801313.88	1A	1410		13	10	10	-4321	-3910	145L	14
TREE	413730.29	0801311.62	1A	1451		54	51	51	-3929	-3519	210R	54
BUSH	413733.06	0801254.85	1A	1411		14	11	11	-2678	-2268	157L	11
GROUND	413733.56	0801252.56	1A	1408		11	8	8	-2501	-2091	196L	8
GROUND	413739.41	0801250.51	1A	1416		19	16	16	-2080	-1669	248R	16
OL WINDSOCK	413737.81	0801242.15	1A	1428		31	28	28	-1601	-1190	200L	29
TREE	413744.73	0801235.87	1A	1427		30	27	27	-846	-435	185R	29
TREE	413745.99	0801234.42	1A	1411		14	11	11	-688	-277	243R	13
TREE	413751.84	0801218.33	1A	1439		42	39	39	668	1079	175R	28
TREE	413749.33	0801216.14	1A	1441		44	41	41	691	1102	128L	30
TRIE	413754.51	0801212.99	1A	1455		58	55	55	1154	1564	217R	30

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AIRPORT ELEVATION 1400

ORF 413735.262N 0801253.796W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	413738.15	0801259.18	1A	1457		57	313 38	502
TREE	413729.62	0801250.47	1A	1476		76	164 16	624
TREE	413740.90	0801249.40	1A	1461		61	38 26	661
TREE	413728.57	0801259.24	1A	1439		39	219 32	793
TREE	413734.61	0801305.23	1A	1454		54	273 47	871
TREE	413727.15	0801259.25	1A	1467		67	214 52	919
AIRPORT BEACON	413731.33	0801238.51	1A	1465		65	117 2	1227
TREE	413747.11	0801241.82	1A	1453		53	45 17	1505
TREE	413733.11	0801314.13	1A	1465		65	270 4	1560
HANGAR	413738.90	0801232.21	1A	1411		11	85 27	1680
TREE	413730.39	0801315.71	1A	1450		50	261 36	1736
TREE	413723.05	0801313.12	1A	1447		47	238 0	1919
TREE	413719.82	0801317.00	1A	1468		68	236 32	2356
TREE	413751.53	0801228.37	1A	1443		43	57 39	2538
TREE	413743.01	0801221.49	1A	1461		61	80 23	2576
TREE	413719.30	0801321.38	1A	1433		33	240 28	2646
TREE	413719.14	0801323.66	1A	1420		20	242 22	2794
TREE	413746.63	0801217.51	1A	1442		42	75 26	2986
OL ANTENNA	413711.00	0801224.42	1B	1584		184	145 50	3318
TREE	413714.56	0801331.46	1A	1443		43	241 53	3546
TREE	413719.53	0801345.69	1A	1445		45	256 6	4251
TANK	413712.55	0801200.30	1B	1498		98	127 36	4669
TREE	413753.59	0801045.72	1B	1587		187	87 17	9902
R ON OL MCWV TR	413748.32	0801039.69	2A	1662		262	90 42	10270
OL RADIO M	413748.37	0801030.05	1B	1885	390	485	91 10	10997



TOUCHDOWN ZONE	
RUNWAY ELEVATION	
7	1400
25	1400

PORT MEADVILLE AIRPORT
MEADVILLE, PENNSYLVANIA
(NOT TO SCALE)