OBSTRUCTION DATA SHEET

ODS 140
MAHLON SWEET FIELD
EUGENE, OREGON

DIGITIZED FROM

OC 140
SURVEYED MARCH 1993
11TH EDITION

HORIZONTAL DATUM NAD 83
VERTICAL DATUM NGVD 29

PREPARED AND DISTRIBUTED BY
THE NATIONAL OCEAN SERVICE
U.S. DEPARTMENT OF COMMERCE
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ATTENTION

See SPECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Charts - Obstruction Data Sheets," for possible corrections. National Oceanic and Atmospheric Administration (NOAA) publications are available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990

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 No. 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 the 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 an FAR-77 approach or primary and listed with the associated runway (reference runway).

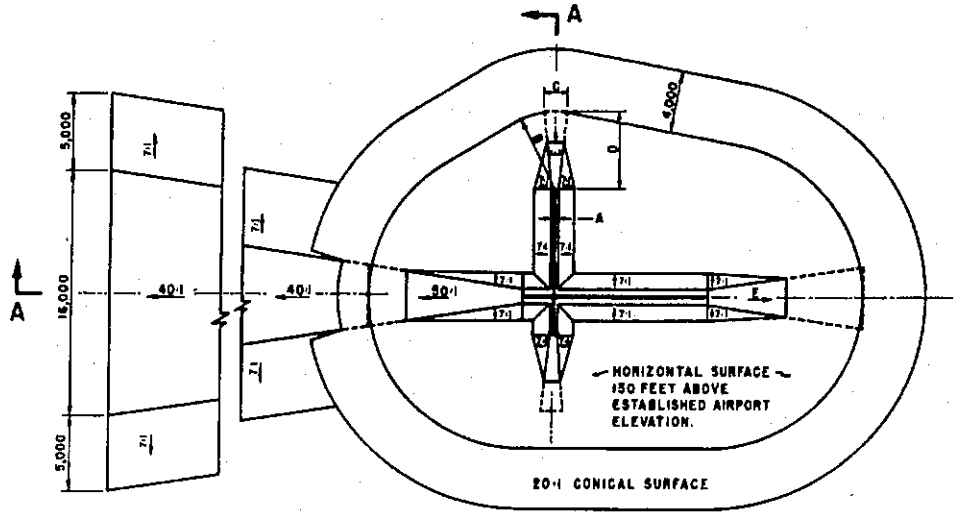
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

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:

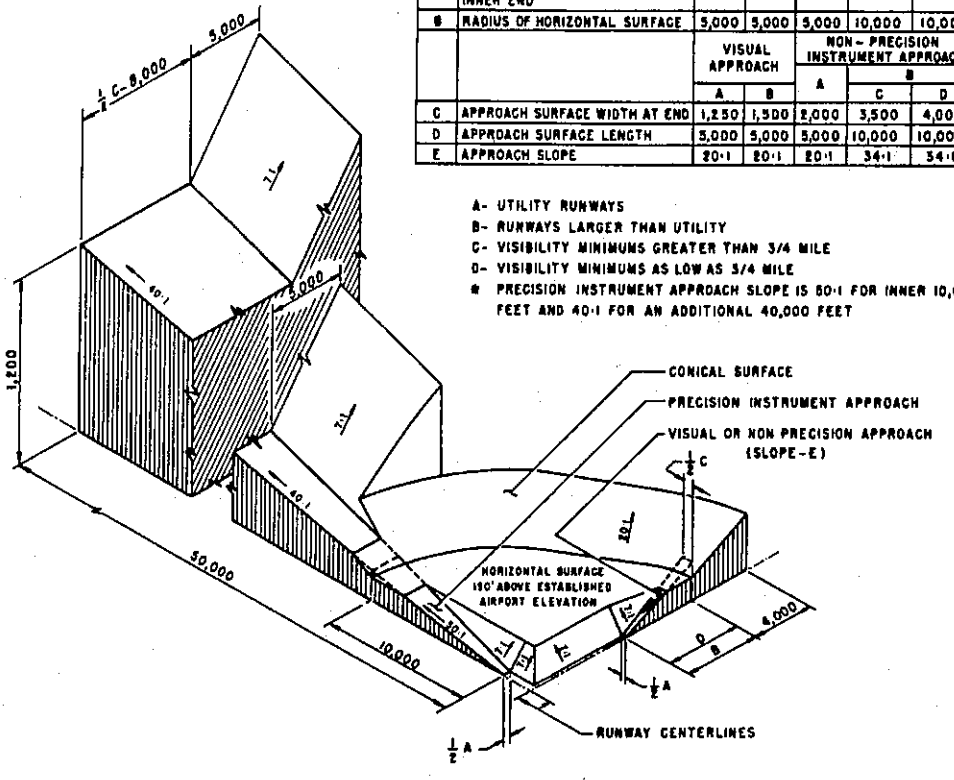
A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway- nonprecision 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.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					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
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					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
* 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] 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]
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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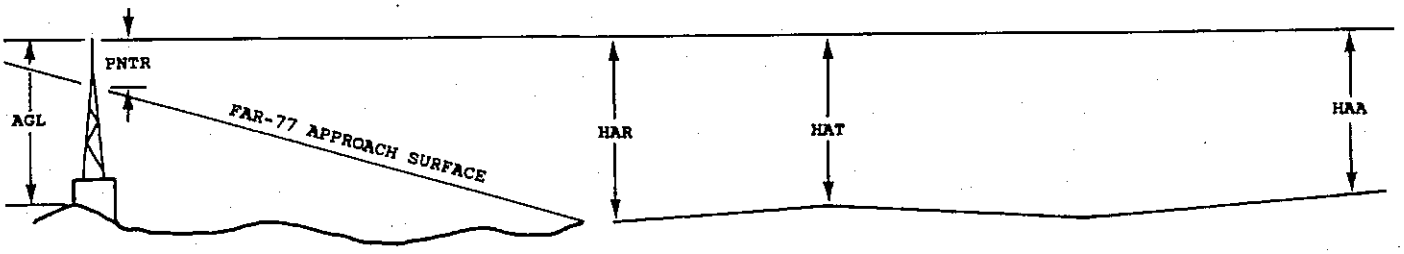
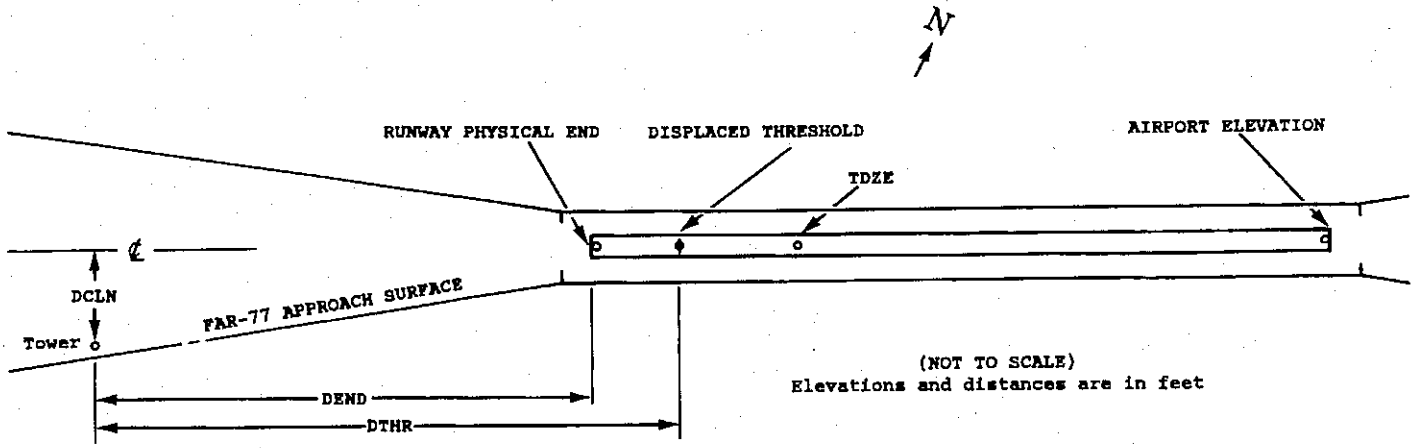




EXPLANATION OF FOOTNOTES

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 areas 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 Elevation at approach end of reference runway/touchdown zone elevation

4 Latitude and longitude at approach end of reference runway

5 Geodetic azimuth of reference runway reckoned from north

6 Elevation at reference runway displaced threshold/touchdown zone elevation

7 Latitude and longitude at reference runway displaced threshold

8 Accuracy codes:

Horizontal FT	Vertical FT
1 = 20	A = 2
2 = 40	B = 5
	C = 20

9 Elevation above mean sea level (MSL) 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). AGL's are provided only for manmade objects appearing on the OC and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.

11 HAA - Height above airport
HAR - Height above approach end of reference runway
HAT - Height above reference runway touchdown zone elevation

12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway
DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displace 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 that object is in primary on roll-out side of zero distance point.

13 PNTR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC0140

AIRPORT ELEVATION 365

16 PIR 356/ 360 440807.610 -1231308.960 1792249.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	440654.29	-1231303.51	1A	369		13	9	4	-7428		317L	7
WSK	440740.09	-1231304.43	1A	365		9	5	0	-2790		300L	5
ROD ON TMOM	440755.51	-1231314.52	1A	372		16	12	7	-1221		419R	15
ROD ON TMOM	440757.87	-1231315.48	1A	371		15	11	6	-981		486R	14
ROD ON OL GS	440758.19	-1231314.30	1A	386		30	26	21	-950		400R	29
BLDG	440817.43	-1231314.96	1A	364		8	4	-1	1000		427R	-8

34 D 362/ 363 440648.616 -1231307.774 3592250.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	440758.19	-1231314.30	1A	386		24	23	21	-7050		400L	29
ROD ON TMOM	440757.87	-1231315.48	1A	371		9	8	6	-7019		486L	14
ROD ON TMOM	440755.51	-1231314.52	1A	372		10	9	7	-6779		419L	15
WSK	440740.09	-1231304.43	1A	365		3	2	0	-5210		300R	5
WSK	440654.29	-1231303.51	1A	369		7	6	4	-572		317R	7
OL ON LOC	440633.92	-1231307.55	1A	373		11	10	8	1489		0R	-27
TREE	440629.76	-1231258.91	1A	403		41	40	38	1917		626R	-9

3 C 365/ 365 440659.403 -1231331.698 465149.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	440650.77	-1231344.43	1A	377		12	12	12	1276		3R	-20
TREE	440650.58	-1231349.82	1A	400		35	35	35	1576		252L	-6
TREE	440647.47	-1231351.66	1A	408		43	43	43	1889		114L	-7
TREE	440647.18	-1231354.99	1A	427		62	62	62	2086		259L	6
TREE	440641.75	-1231354.02	1A	426		61	61	61	2410		191R	-4
TREE	440637.35	-1231353.46	1A	454		89	89	89	2686		544R	16
TREE	440622.16	-1231423.03	1A	490		125	125	125	5312		191R	-26

21 SUPLC 360/ 364 440734.653 -1231239.463 2265225.

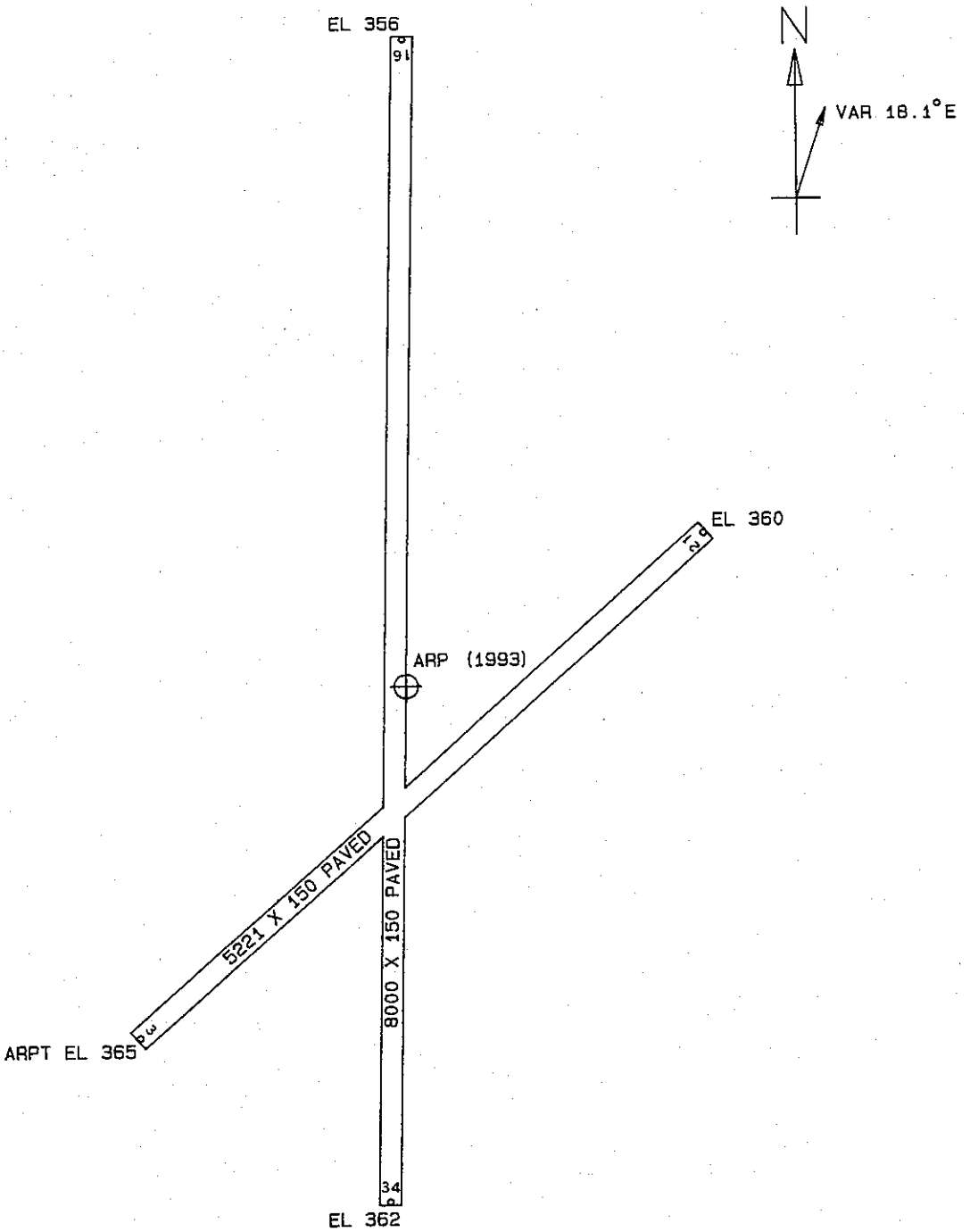
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	440736.75	-1231230.59	1A	373		13	9	8	618		287L	0

OC0140

AIRPORT ELEVATION 365

ARP 440723.736 -1231307.268

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON AMOM	440732.44	-1231258.34	1A	391		26	1822	1096
OL ON LTD WSK	440716.95	-1231255.39	1A	391		26	11019	1106
OL VORTAC	440715.24	-1231322.22	1A	396		31	21339	1389
ANT ON OL RTR TWR	440737.81	-1231253.97	1A	411		46	1608	1724
TREE	440741.21	-1231319.26	1A	399		34	31535	1974
OL ON LT POLE	440731.30	-1231234.42	1A	395		30	5410	2515
ROD ON OL ATCT	440703.27	-1231245.92	1A	490		125	12458	2593
ANT ON OL APBN	440715.60	-1231231.33	1A	421		56	8921	2748
OL ON LT POLE	440657.47	-1231256.40	1A	410		45	14518	2775
WSK ON OL BLDG	440652.54	-1231256.21	1A	407		42	14734	3260
TREE	440652.42	-1231256.80	1A	411		46	14821	3261
TREE	440807.97	-1231321.67	1A	413		48	32842	4601
TREE	440638.88	-1231345.41	1A	469		104	19323	5327
TREE	440628.94	-1231256.04	1A	419		54	15330	5609
TREE	440635.69	-1231352.86	1A	468		103	19615	5894



TOUCHDOWN ZONE RUNWAY	ELEVATION
16	360
34	363
3	365
21	364

MAHLON SWEET FIELD

EUGENE, OREGON

(NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)