OBSTRUCTION DATA SHEET

ODS 5722
AURORA STATE AIRPORT
AURORA, OREGON

DIGITIZED FROM

OC 5722
SURVEYED MAY 1992
2ND EDITION

HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29

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

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).

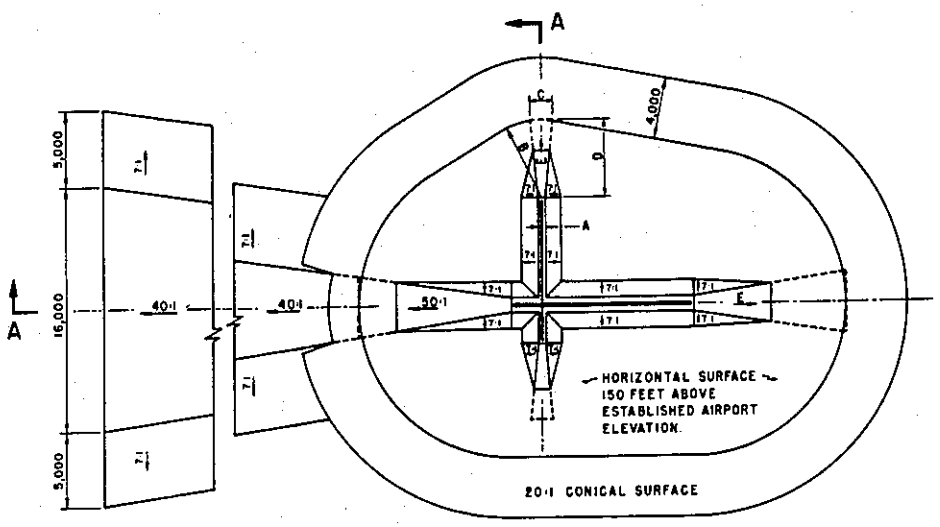
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

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:

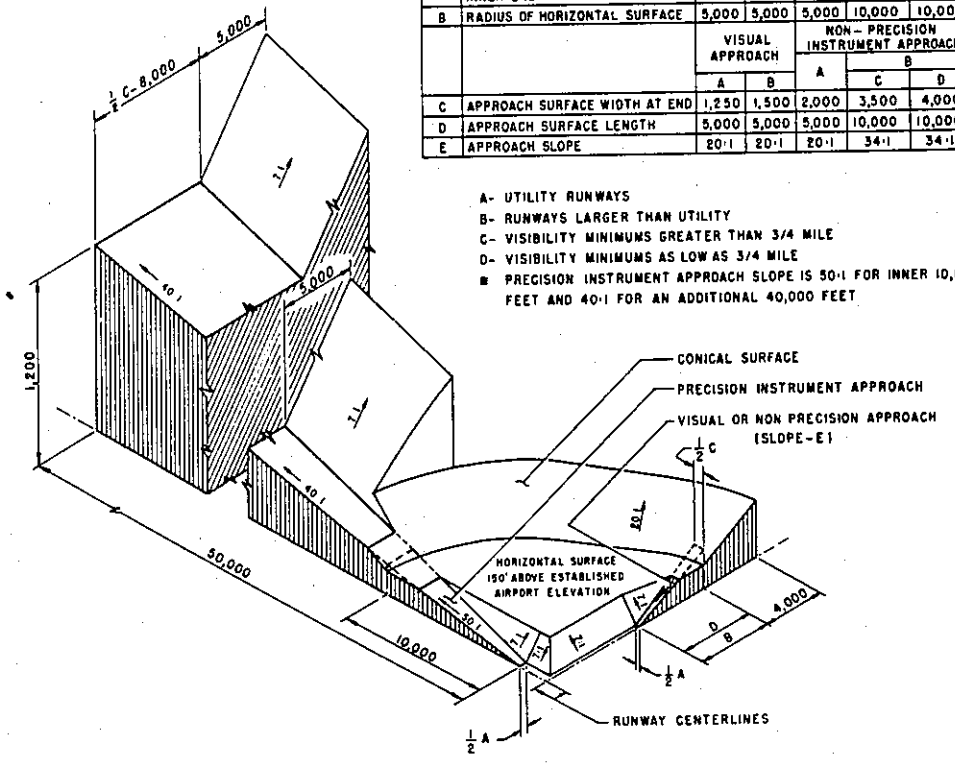
A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D ..... Nonutility runway- nonprecision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

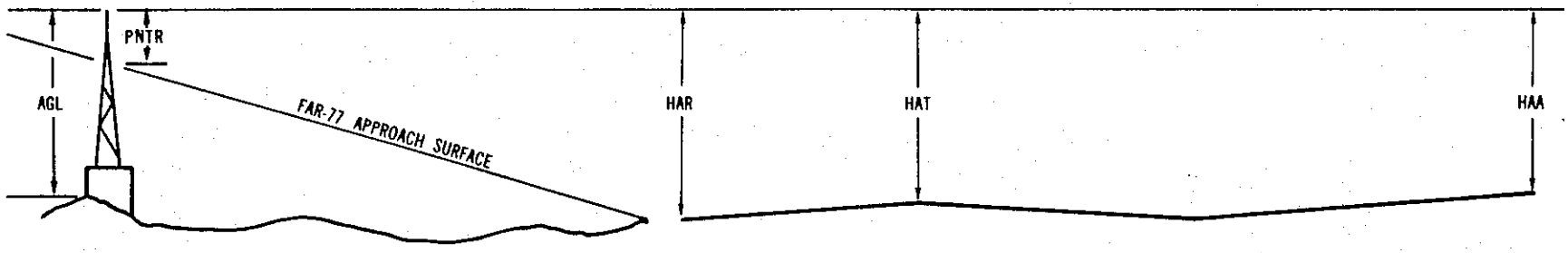
OC XXXX

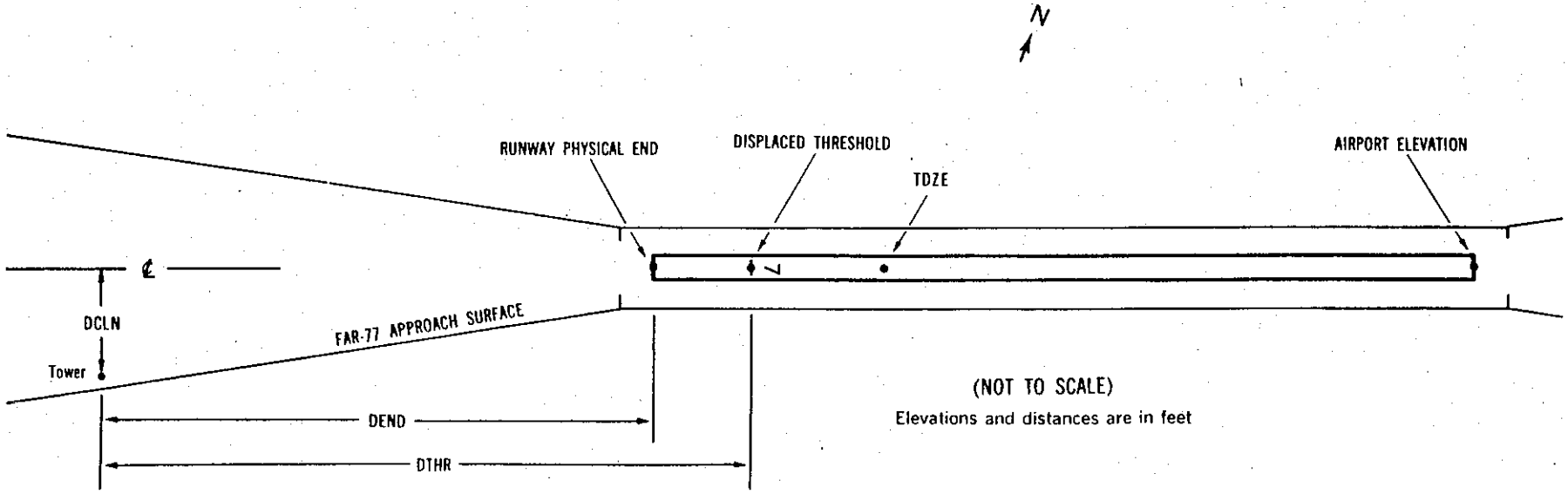
AIRPORT ELEVATION XXXX

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]
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.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 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 displace threshold

8 Accuracy codes:

Horizontal	Vertical
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 <u>appearing on the OC</u> 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 PTNR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC5722

AIRPORT ELEVATION 196

35 AV 194/ 196 451433.984 -1224614.966 070802.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WINDSOCK	451454.35	-1224614.17	1A	217		23	21	21	-2053		200L	22
WINDSOCK	451434.30	-1224618.25	1A	211		17	15	15	-3		237L	17
TREE	451427.27	-1224620.18	1A	211		17	15	15	721		286L	-9
TREE	451413.98	-1224615.50	1A	242		48	46	46	2015		214R	-42

17 ANP 196/ 196 451514.186 -1224607.842 1870807.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	451434.30	-1224618.25	1A	211		15	15	15	-4101		237R	17
OL ON LTD WINDSOCK	451454.35	-1224614.17	1A	217		21	21	21	-2050		200R	22
TREE	451519.92	-1224611.00	1A	219		23	23	23	548		297R	5
TREE	451524.81	-1224609.71	1A	228		32	32	32	1051		266R	-11
TREE	451530.28	-1224611.24	1A	281		85	85	85	1587		444R	16

OC5722

AIRPORT ELEVATION 196

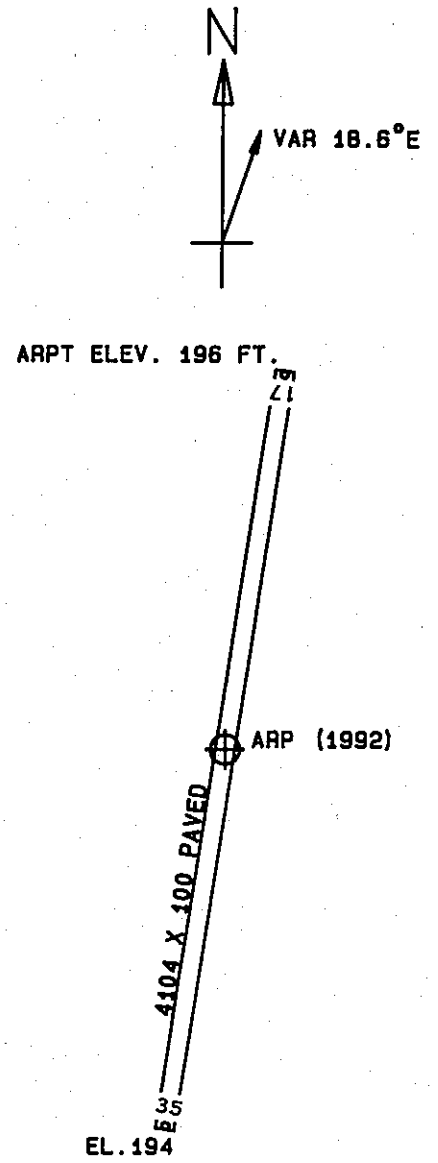
ARP 451454.085 -1224611.405

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	451453.29	-1224615.77	1A	222		26	23658	322
TREE	451457.65	-1224614.80	1A	236		40	30730	435
TREE	451451.73	-1224619.36	1A	276		80	22838	617
TREE	451449.42	-1224604.05	1A	233		37	11319	707
TREE	451447.32	-1224605.84	1A	228		32	13114	793
TREE	451445.29	-1224608.60	1A	220		24	14842	913
HANGAR	451501.08	-1224602.77	1A	215		19	2228	940
SIGN	451502.51	-1224605.70	1A	202		6	657	946
TREE	451504.46	-1224613.67	1A	233		37	33237	1063
WIND INSTRUMENT ON POLE	451502.46	-1224601.97	1A	232		36	1955	1084
TREE	451443.83	-1224617.16	1A	228		32	18302	1117
TREE	451442.08	-1224609.27	1A	226		30	15414	1225
TREE	451442.64	-1224619.81	1A	259		63	18848	1306
TREE	451443.57	-1224622.94	1A	257		61	19911	1347
TREE	451439.84	-1224618.16	1A	233		37	17955	1521
ROD ON OL APBN	451506.65	-1224559.66	1A	232		36	1449	1525
TREE	451509.96	-1224612.81	1A	224		28	33749	1611
TREE	451509.34	-1224604.60	1A	247		51	35853	1619
TREE	451438.34	-1224621.16	1A	272		76	18502	1741
TREE	451511.22	-1224604.30	1A	245		49	35743	1808
TREE	451511.56	-1224602.34	1A	271		75	132	1884
WINDSOCK ON HANGAR	451434.56	-1224609.83	1A	220		24	15808	1980
TREE	451434.51	-1224618.98	1A	244		48	17641	2055
WINDSOCK	451514.48	-1224611.37	1A	214		18	34128	2065
TREE	451432.32	-1224619.23	1A	235		39	17538	2274
TREE	451516.68	-1224611.51	1A	214		18	34112	2289
TREE	451516.58	-1224603.21	1A	221		25	35549	2352
POLE	451429.64	-1224611.80	1A	209		13	16203	2475
POLE	451429.58	-1224610.71	1A	224		28	16014	2482
TREE	451429.89	-1224619.59	1A	226		30	17450	2519
TREE	451518.44	-1224602.92	1A	246		50	35513	2540

AIRPORT ELEVATION 196

ARP 451454.085 -1224611.405

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	451521.87	-1224613.47	1A	285		89	33823	2817
TREE	451528.36	-1224612.64	1A	315		119	33956	3472
TREE	451533.34	-1224612.15	1A	314		118	34038	3976
TREE	451416.03	-1224626.37	1A	306		110	17655	4000
TREE	451533.74	-1224611.61	1A	306		110	34111	4016



TOUCHDOWN ZONE RUNWAY	ELEVATION
35	196
17	196

AURORA STATE AIRPORT

AURORA, OREGON

(NOT TO SCALE)