

OBSTRUCTION DATA SHEET

**ODS 5639
EL MONTE AIRPORT
EL MONTE, CALIFORNIA**

DIGITIZED FROM

**OC 5639
SURVEYED MARCH 1992
5TH EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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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 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.

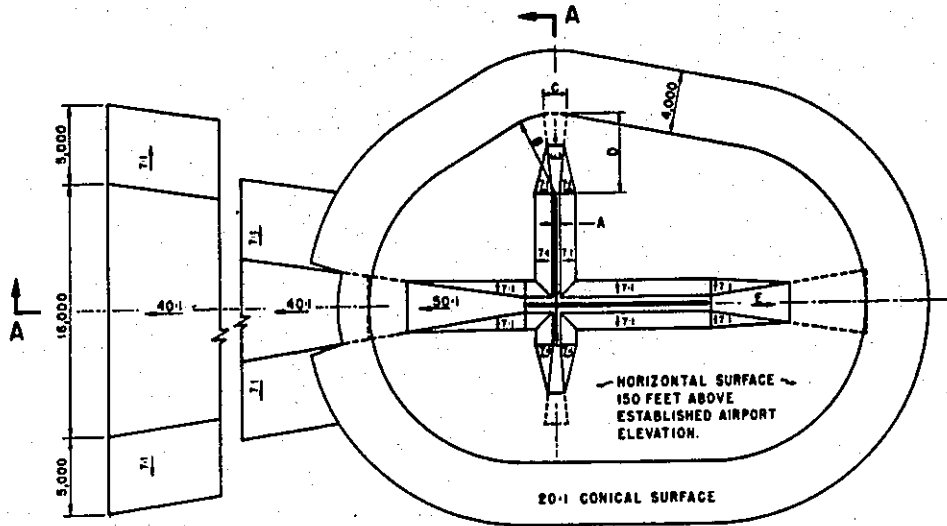
ODS information is arranged as follows:

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:

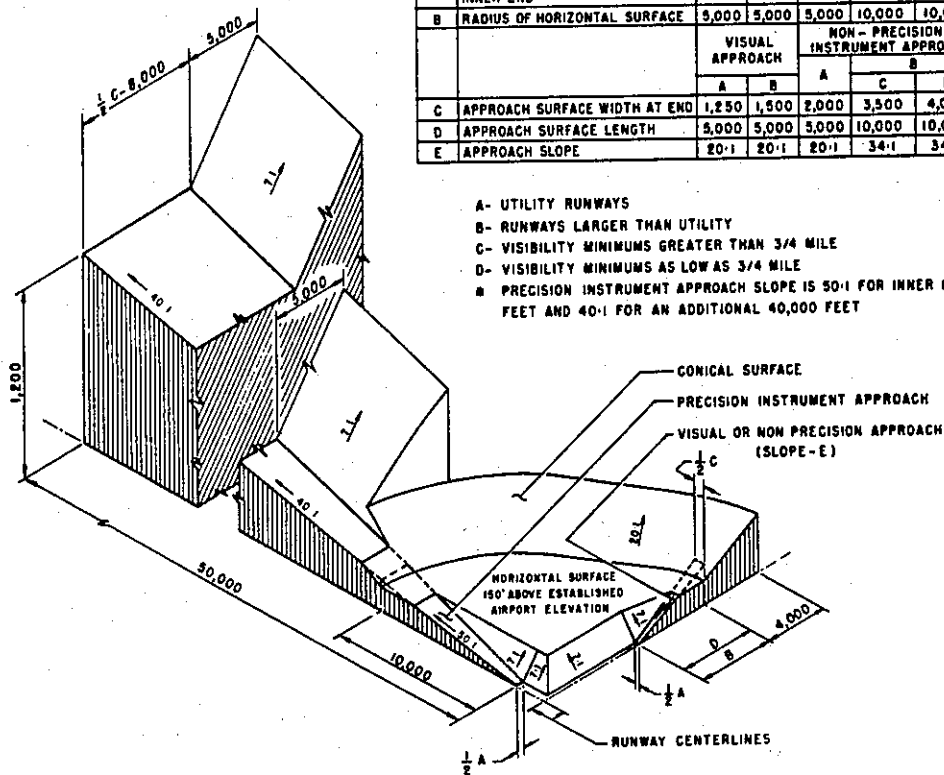
A(V) Utility runway - visual approach only
A(NP) Utility runway - nonprecision instrument approach
B(V) Nonutility runway - visual approach only
C Nonutility runway - nonprecision instrument
approach with visibility minimums greater than
3/4 mile
D Nonutility runway- nonprecision instrument approach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

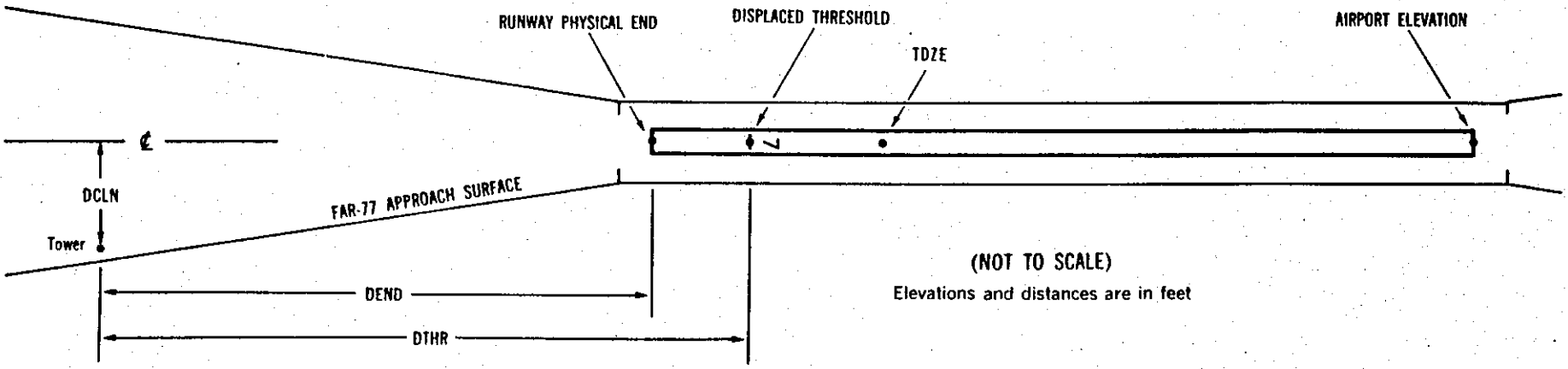
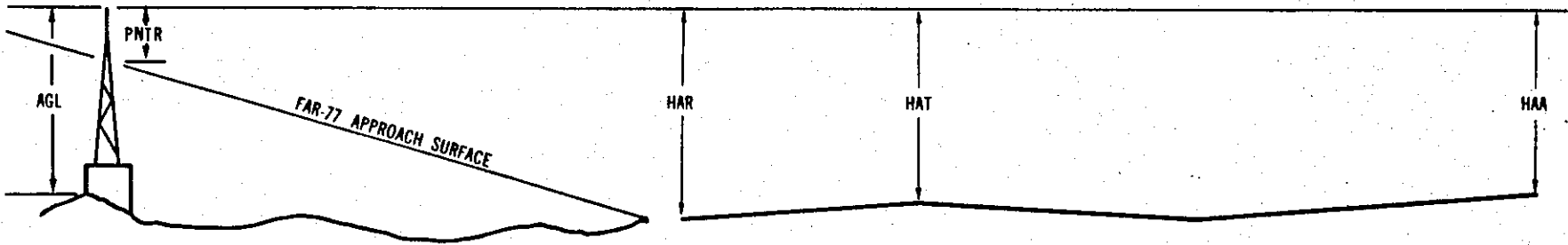
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

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	
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	



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 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 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 displaced 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).

OC5639

AIRPORT ELEVATION 296

1 ANP 282/ 340451.752 -1180215.623 2052529. 283/ 293 340454.346 -1180214.141

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	340529.08	-1180154.65	1A	298		16	5	2	-4166	-3875	27L	2
OL BLDG	340529.89	-1180156.70	1A	319		37	26	23	-4165	-3875	218L	23
SIGN	340527.08	-1180153.81	1A	300		18	7	4	-4013	-3723	124R	5
FENCE	340524.03	-1180159.25	1A	297		15	4	1	-3539	-3248	157L	3
OL ON LTD WSK	340518.29	-1180202.94	1A	311		29	18	15	-2881	-2590	188L	19
OL ON AMOM	340517.07	-1180203.45	1A	312		30	19	16	-2751	-2461	174L	20
WSK	340455.74	-1180215.02	1A	290		8	-3	-6	-386	-95	128L	7
FENCE	340453.08	-1180216.57	1A	283		1	-10	-13	-87	204	129L	0
SIGN	340451.06	-1180214.32	1A	285		3	-8	-11	16	307	129R	3
TREE	340449.49	-1180213.80	1A	313		31	20	17	141	431	237R	31
TREE	340449.05	-1180214.81	1A	312		30	19	16	218	508	179R	29
LIGHT STANDARD	340448.01	-1180216.63	1A	304		22	11	8	378	668	86R	13
POLE	340442.65	-1180218.63	1A	320		38	27	24	939	1230	167R	1
TREE	340443.93	-1180224.98	1A	323		41	30	27	1052	1342	371L	-1
TREE	340440.76	-1180219.19	1A	334		52	41	38	1133	1423	206R	6
TREE	340437.03	-1180219.01	1A	348		66	55	52	1467	1757	382R	3
POLE	340436.28	-1180225.62	1A	350		68	57	54	1774	2064	88L	-10
POLE	340435.16	-1180229.98	1A	358		76	65	62	2033	2323	371L	-15

19 ANP 296/ 340527.443 -1180155.230 252541. 294/ 294 340521.720 -1180158.500

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	340449.49	-1180213.80	1A	313		17	19	17	-4136	-3495	237L	31
SIGN	340451.06	-1180214.32	1A	285		-11	-9	-11	-4011	-3371	129L	3
FENCE	340453.08	-1180216.57	1A	283		-13	-11	-13	-3908	-3268	129R	0
WSK	340455.74	-1180215.02	1A	290		-6	-4	-6	-3609	-2969	128R	7
OL ON AMOM	340517.07	-1180203.45	1A	312		16	18	16	-1243	-603	174R	20
OL ON LTD WSK	340518.29	-1180202.94	1A	311		15	17	15	-1114	-474	188R	19
FENCE	340524.03	-1180159.25	1A	297		1	3	1	-456	184	157R	3
SIGN	340527.08	-1180153.81	1A	300		4	6	4	18	659	124L	5
OL BLDG	340529.89	-1180156.70	1A	319		23	25	23	170	811	218R	23

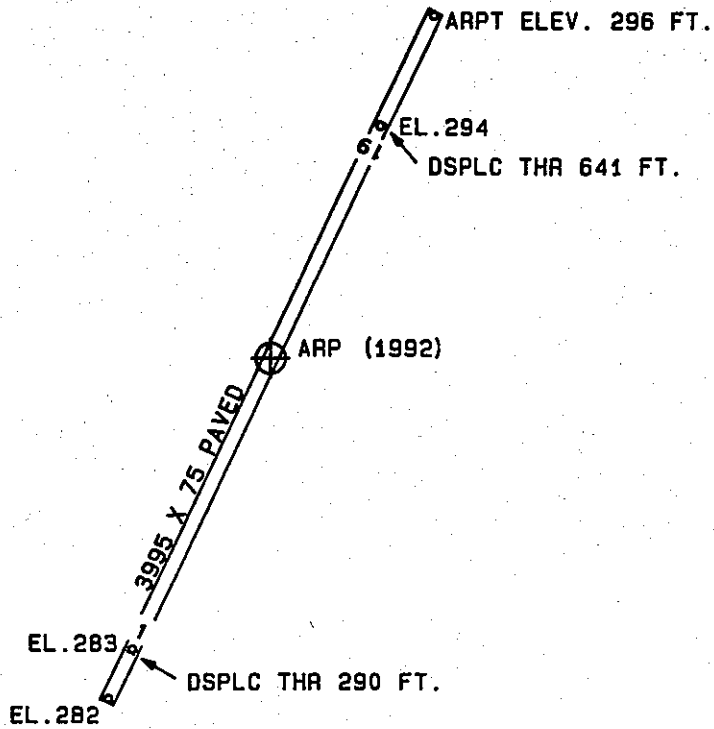
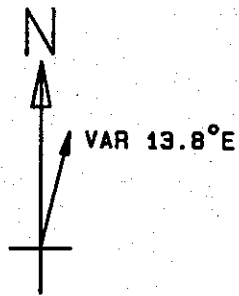
AIRPORT ELEVATION 296

19 ANP 296/ 340527.443 -1180155.230 252541. 294/ 294 340521.720 -1180158.500

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	340529.08	-1180154.65	1A	298		2	4	2	171	811	27R	2
OL BLDG	340531.31	-1180155.20	1A	321		25	27	25	354	995	166R	18
LIGHT STANDARD	340533.23	-1180155.32	1A	338		42	44	42	525	1166	258R	26
ROAD (N)	340533.37	-1180151.84	1A	322		26	28	26	663	1304	OR	3
TREE	340533.64	-1180148.99	1A	335		39	41	39	792	1432	205L	10
TREE	340536.46	-1180153.73	1A	337		41	43	41	878	1518	277R	7
LIGHT STANDARD	340534.93	-1180148.04	1A	343		47	49	47	943	1583	221L	10
POLE	340542.62	-1180146.56	1A	365		69	71	69	1699	2339	1R	-6
TREE	340552.62	-1180140.54	1A	404		108	110	108	2829	3469	23L	-23

ARP 340509.598 -1180205.427

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	340513.10	-1180211.27	1A	357		61	29156	605
POLE	340517.16	-1180206.29	1A	322		26	34048	767
POLE	340504.24	-1180213.53	1A	323		27	21743	871
HGR	340500.88	-1180206.46	1A	304		8	17150	886
OL ON APBN	340504.47	-1180156.37	1A	354		58	11025	922
OL ON FLDLT POLE	340459.80	-1180200.60	1A	369		73	14353	1070
ANT ON OL ATCT	340517.71	-1180154.56	1A	364		68	3417	1228
POLE	340459.63	-1180216.12	1A	316		20	20757	1350
POLE	340523.12	-1180203.02	1A	325		29	35436	1382
TREE	340459.47	-1180217.00	1A	351		55	20945	1413
TREE	340456.47	-1180218.32	1A	341		45	20527	1714
BLDG	340453.21	-1180210.80	1A	307		11	18128	1718
TREE	340522.53	-1180151.08	1A	363		67	2854	1779
BLDG	340527.77	-1180158.91	1A	315		19	249	1917
VENT ON HGR	340525.27	-1180152.21	1A	315		19	2115	1935
TREE	340449.88	-1180212.94	1A	317		21	18347	2091
ANT ON OL BLDG	340529.48	-1180157.62	1A	334		38	417	2114
TREE	340447.93	-1180210.09	1A	356		60	17621	2225
HGR	340528.61	-1180150.63	1A	310		14	1907	2290
TREE	340447.07	-1180213.83	1A	322		26	18326	2385
TREE	340527.93	-1180145.43	1A	381		85	2825	2502
TREE	340534.52	-1180156.21	1A	364		68	317	2635
LIGHT STANDARD	340533.97	-1180145.63	1A	344		48	2014	2974
OL ON WATER TANK	340447.25	-1180231.62	1A	437		141	21029	3155
ELEVATOR	340438.05	-1180213.43	1A	375		79	17807	3260
POLE	340434.58	-1180218.22	1A	357		61	18306	3700
TANK	340554.22	-1180306.52	2C	450		154	29729	6837



TOUCHDOWN ZONE RUNWAY ELEVATION	
1	293
19	294

EL MONTE AIRPORT
 EL MONTE, CALIFORNIA
 (NOT TO SCALE)