

OBSTRUCTION DATA SHEET

**ODS 310
PALMDALE PRODUCTION FLIGHT / TEST INSTALLATION AF PLANT #42
PALMDALE, CALIFORNIA**

DIGITIZED FROM

**OC 310
SURVEYED 27 OCTOBER 1992
7TH EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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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.

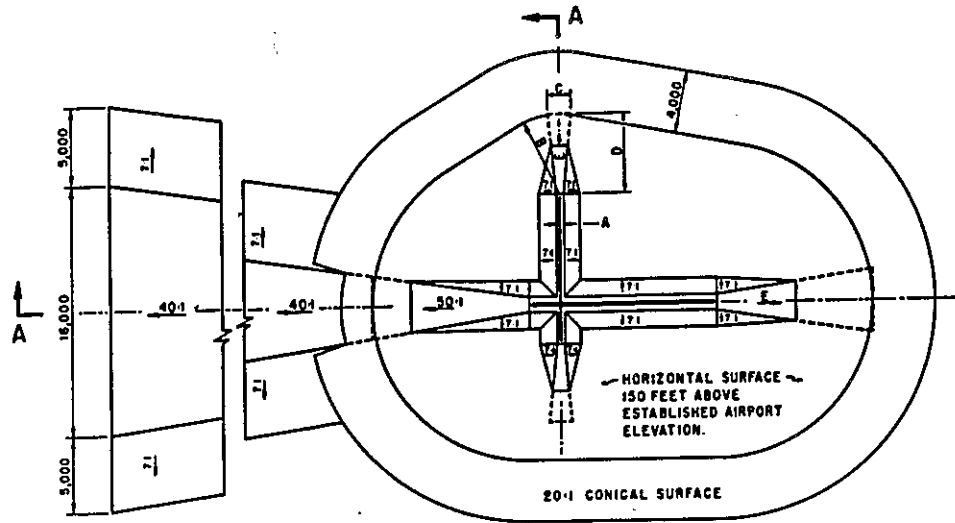
ODS information is arranged as follows:

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:

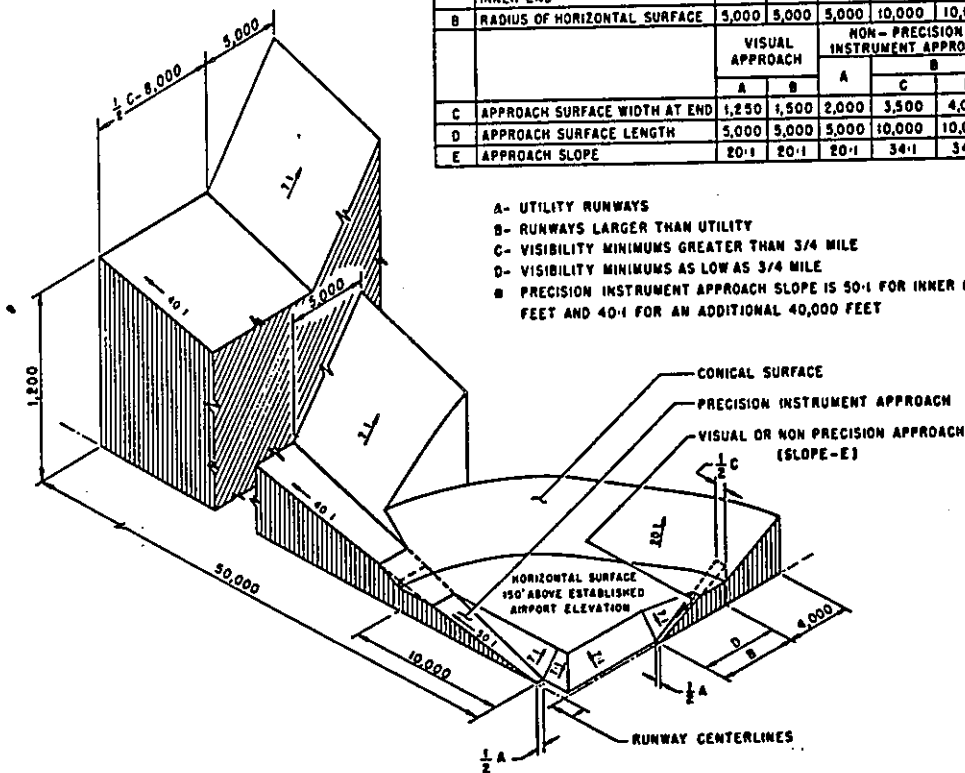
- A(V) Utility runway - visual approach only
- A(NP) Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway- nonprecision instrument 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	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	
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 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

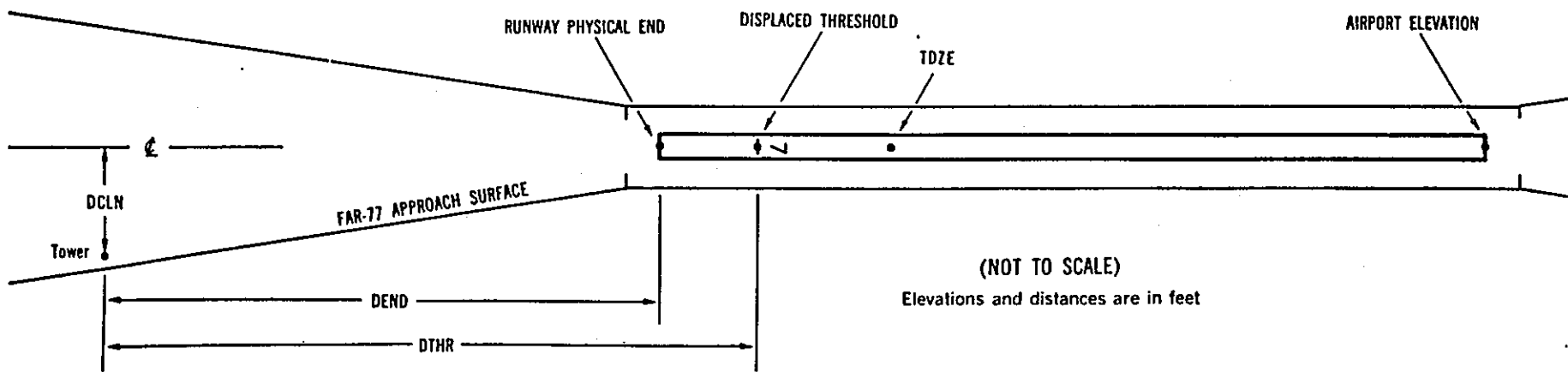
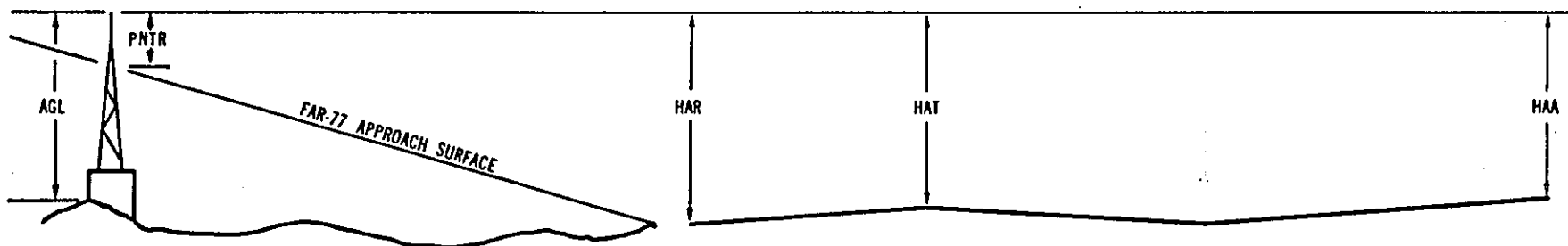
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x ¹	x ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXX 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



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

OC0310

AIRPORT ELEVATION 2542

4 SUPLC 2542/2542 343700.842 -1180529.802 514734.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	343742.96	-1180420.65	1A	2510		-32	-32	-32	-7175		228R	7
WSK	343700.81	-1180525.42	1A	2549		7	7	7	-285		229R	9
SIGN	343649.60	-1180541.10	1A	2556		14	14	14	1445		309R	-23

22 SUPLC 2491/2498 343814.236 -1180336.966 2314838.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	343700.81	-1180525.42	1A	2549		58	51	7	-11713		229L	9
WSK	343742.96	-1180420.65	1A	2510		19	12	-32	-4824		228L	7

7 SUPLC 2540/2540 343750.106 -1180647.029 861046.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	343755.48	-1180425.85	1A	2506		-34	-34	-36	-11807		241R	7
ELEC EQUIP	343753.24	-1180432.40	1A	2504		-36	-36	-38	-11246		431R	4
OL ON GS	343801.26	-1180440.07	1A	2523		-17	-17	-19	-10660		420L	22
WSK	343752.14	-1180523.44	1A	2515		-25	-25	-27	-6983		260R	7
GROUND	343747.38	-1180617.02	1A	2531		-9	-9	-11	-2484		441R	3
WSK	343747.77	-1180643.52	1A	2544		4	4	2	-277		255R	6
GROUND	343749.84	-1180649.49	1A	2542		2	2	0	207		13R	2
OL ON LOC	343748.80	-1180710.80	1A	2558		18	18	16	1991		1L	-35
ANT ON BLDG	343750.97	-1180711.72	1A	2565		25	25	23	2053		225L	-30

OC0310

AIRPORT ELEVATION 2542

25 PIR 2499/2503 343757.991 -1180423.743 2661208.

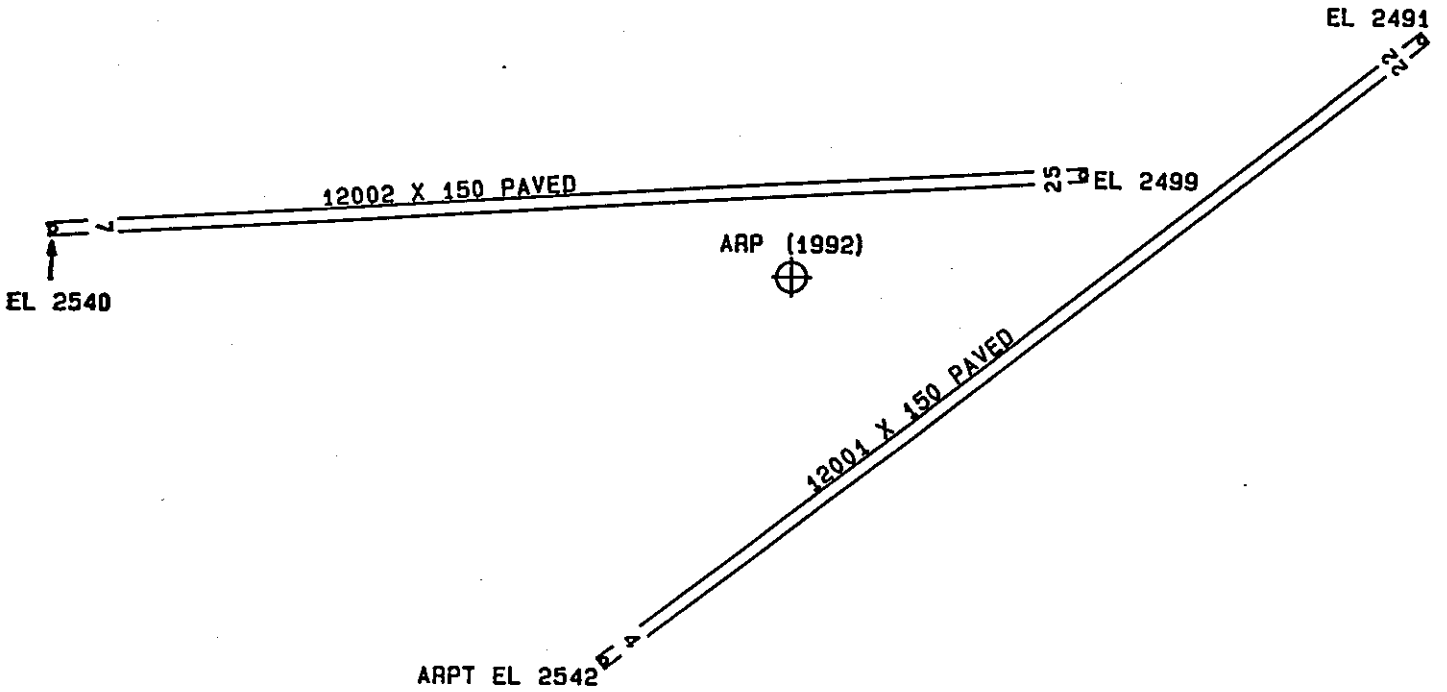
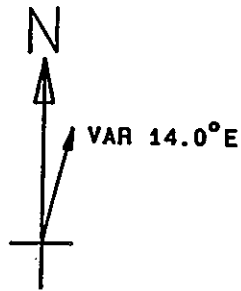
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	343747.77	-1180643.52	1A	2544		45	41	2	-11722		255L	6
GROUND	343747.38	-1180617.02	1A	2531		32	28	-11	-9516		441L	3
WSK	343752.14	-1180523.44	1A	2515		16	12	-27	-5017		260L	7
OL ON GS	343801.26	-1180440.07	1A	2523		24	20	-19	-1340		420R	22
ELEC EQUIP	343753.24	-1180432.40	1A	2504		5	1	-38	-753		431L	4
WSK	343755.48	-1180425.85	1A	2506		7	3	-36	-192		241L	7
OL ON VOR	343753.02	-1180349.79	1A	2526		27	23	-16	2798		689L	-25
WSK	343811.08	-1180336.77	1A	2497		-2	-6	-45	4004		1061R	-78
POLE	343752.57	-1180330.73	1A	2559		60	56	17	4383		840L	-23

0C0310

AIRPORT ELEVATION 2542

ARP 343745.800 -1180504.390

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON HANGAR	343724.51	-1180533.85	1B	2576		34	21450	3270
ANT ON OL ATCT	343710.51	-1180441.21	1B	2630		88	13729	4059
ROD ON OL APBN	343702.98	-1180441.26	1A	2640		98	14155	4740
BLDG	343831.38	-1180416.66	1B	2594		52	2652	6094
HANGAR	343644.65	-1180440.47	1B	2646		104	14804	6497
OL ON BLDG	343651.90	-1180701.43	1B	2699		157	22653	11197



TOUCHDOWN ZONE RUNWAY ELEVATION	
4	2542
22	2498
7	2540
25	2503

PALMDALE PRODUCTION FLIGHT/TEST INSTALLATION AF PLANT # 42
PALMDALE, CALIFORNIA

(NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)