

OBSTRUCTION DATA SHEET

ODS 6399
MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

DIGITIZED FROM

OC 6399
SURVEYED NOVEMBER 1992
1ST EDITION

HORIZONTAL DATUM NAD 83
VERTICAL DATUM NGVD 29



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File

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.

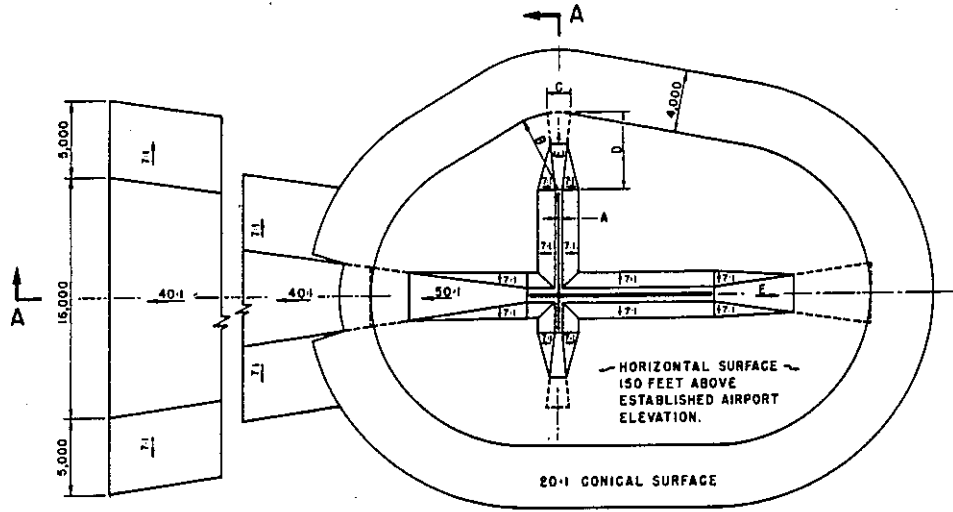
ODS information is arranged as follows:

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:

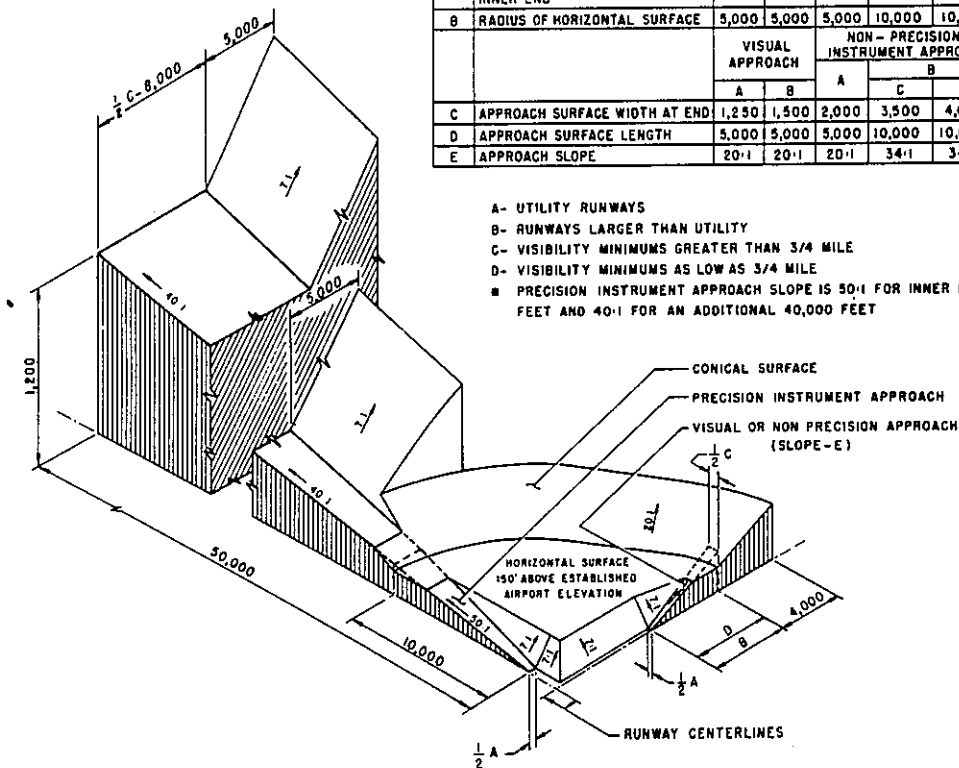
- A(V) Utility runway - visual approach only
- A(NP) ... Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway - nonprecision instrument 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		
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		
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	3,500	4,000	16,000
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

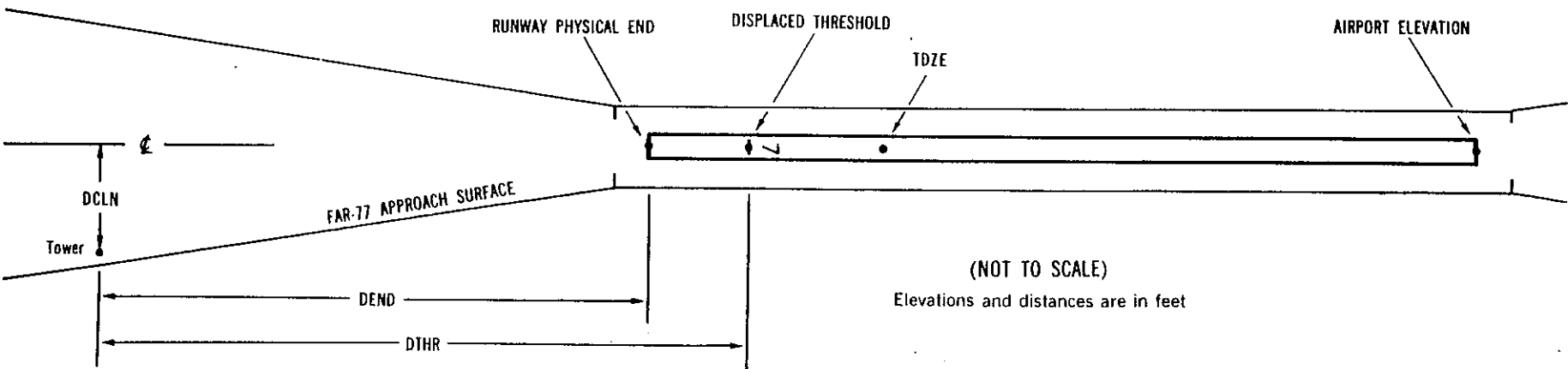
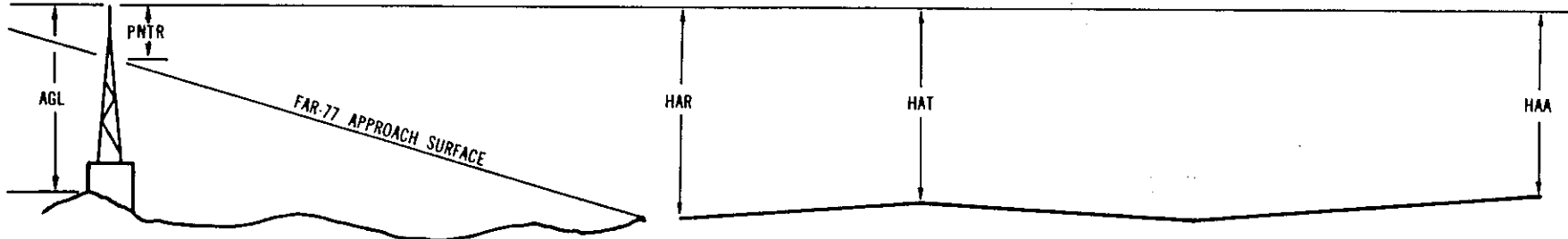
OC XXXX

AIRPORT ELEVATION XXXX

x¹ x² XXXX/XXXX³ XXXXXX.XXX⁴ XXXXXXXX.XXX⁴ XXXXXXXX⁵ XXXX/XXXX⁶ XXXXXX.XXX⁷ XXXXXXXX.XXX⁷

OBJECT LAT LONG A⁸ ELEV⁹ AGL¹⁰ HAR¹¹ HAT¹¹ HAA¹¹ DEND¹² DTHR¹² DCLN¹² PNTR¹³

XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXXX.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 (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 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 PNTR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

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AIRPORT ELEVATION 253

12 SUPLC 249/ 252 365931.350 -1200700.256 1350055.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	365859.92	-1200616.81	1A	254		5	2	1	-4741		246L	1
FENCE	365934.74	-1200700.31	1A	251		2	-1	-2	246		240L	0
FENCE	365934.72	-1200704.47	1A	252		3	0	-1	483		0R	-6
POLE	365947.52	-1200713.81	1A	284		35	32	31	1934		379L	-16

30 C 253/ 253 365859.569 -1200620.664 3150119.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	365859.92	-1200616.81	1A	254		1	1	1	196		246R	1
FENCE	365856.05	-1200619.12	1A	257		4	4	4	341		163L	0
FENCE	365858.16	-1200616.18	1A	263		10	10	10	358		156R	5
ROAD (N)	365854.70	-1200619.32	1A	269		16	16	16	425		272L	9
SIGN	365855.14	-1200609.49	1A	269		16	16	16	957		325R	-7

7 SUPLC 244/ 251 365900.147 -1200709.251 900102.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	365900.98	-1200627.79	1A	256		12	5	3	-3364		85L	4
FENCE	365902.49	-1200709.34	1A	247		3	-4	-6	8		237L	3
TREE	365857.79	-1200711.47	1A	268		24	17	15	180		238R	24
TREE	365900.80	-1200727.78	1A	252		8	1	-1	1504		66L	-30

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AIRPORT ELEVATION 253

25 SUPLC 253/ 253 365900.133 -1200623.627 2700129.

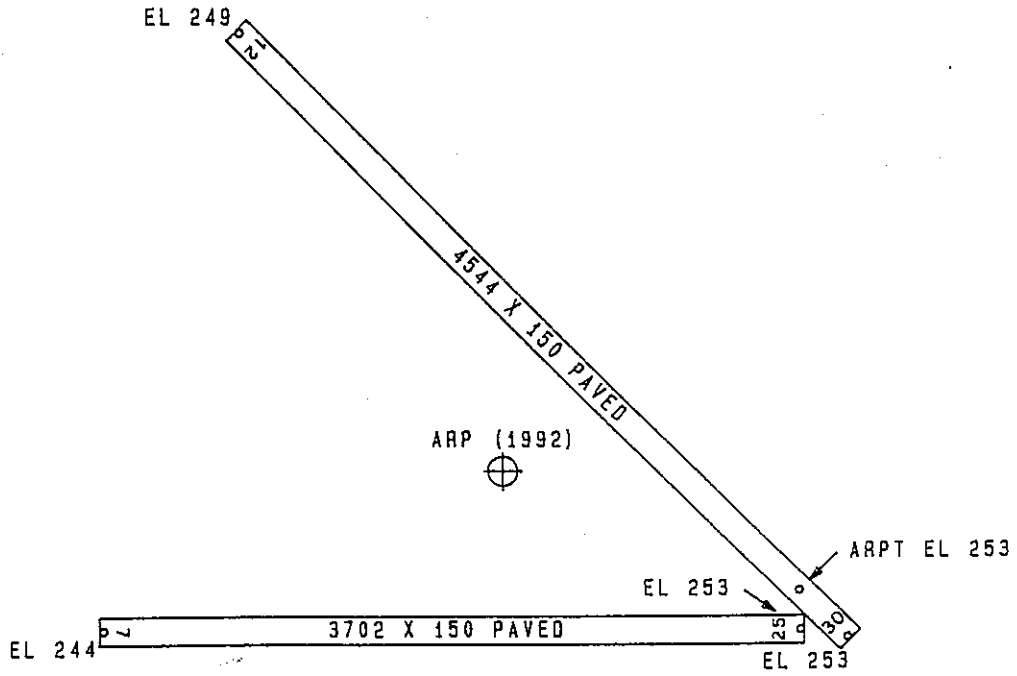
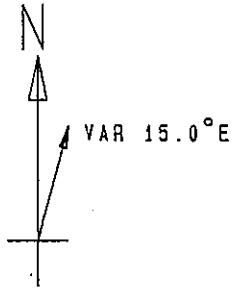
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	365857.79	-1200711.47	1A	268		15	15	15	-3882		238L	24
FENCE	365902.49	-1200709.34	1A	247		-6	-6	-6	-3709		237R	3
SIGN	365900.98	-1200627.79	1A	256		3	3	3	-338		85R	4
FENCE	365901.46	-1200618.23	1A	257		4	4	4	438		135R	-3
GROUND	365859.92	-1200616.81	1A	254		1	1	1	553		22L	-9
FENCE	365858.16	-1200616.18	1A	263		10	10	10	604		200L	-2
FENCE	365900.58	-1200604.85	1A	264		11	11	11	1523		46R	-28

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AIRPORT ELEVATION 253

ARP 365908.583 -1200643.144

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
WTEE	365917.23	-1200637.80	1A	256		3	1122	976
FENCE	365857.62	-1200643.93	1A	254		1	16817	1111
FENCE	365857.62	-1200637.23	1A	256		3	14136	1208
BLDG	365856.64	-1200640.26	1A	269		16	15402	1231
FENCE	365919.76	-1200650.23	1A	252		-1	31801	1268
POLE	365855.10	-1200638.37	1A	283		30	14909	1417
OL ON SIGN	365922.93	-1200638.64	1A	274		21	35908	1496
FENCE	365857.62	-1200630.62	1A	253		0	12229	1504
WSK	365911.10	-1200624.71	1A	272		19	6521	1517
FENCE	365857.62	-1200658.73	1A	249		-4	21345	1682
FENCE	365923.90	-1200655.40	1A	251		-2	31217	1841
FENCE	365857.62	-1200623.02	1A	256		3	10911	1974
FENCE	365857.63	-1200709.17	1A	247		-6	22719	2385
FENCE	365929.71	-1200702.66	1A	251		-2	30827	2660
FENCE	365930.82	-1200704.40	1A	251		-2	30731	2835
TREE	365947.75	-1200711.58	1A	290		37	31446	4584



TOUCHDOWN ZONE RUNWAY ELEVATION	
12	252
30	253
7	251
25	253

MADERA MUNICIPAL AIRPORT
 MADERA, CALIFORNIA
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)