

OBSTRUCTION DATA SHEET

**ODS 104
BARSTOW - DAGGETT AIRPORT
DAGGETT, CALIFORNIA**

DIGITIZED FROM

**OC 104
SURVEYED 16 OCTOBER 1992
4TH 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.

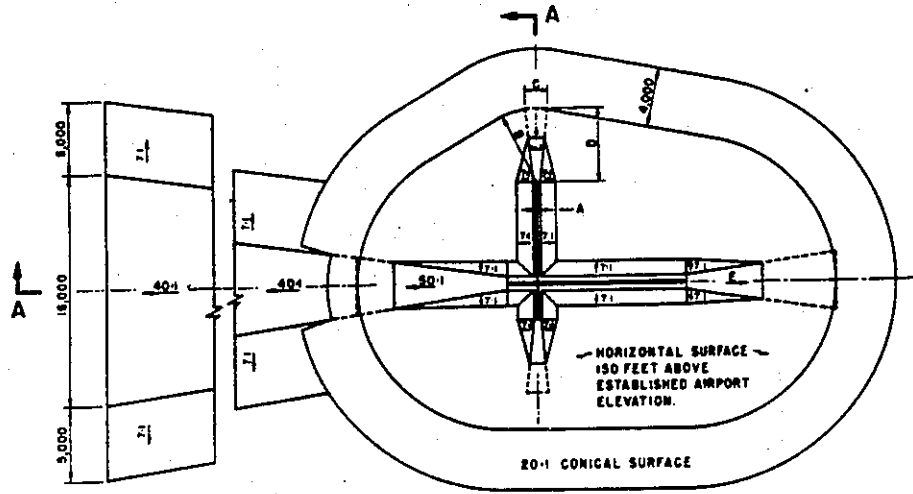
ODS information is arranged as follows:

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.

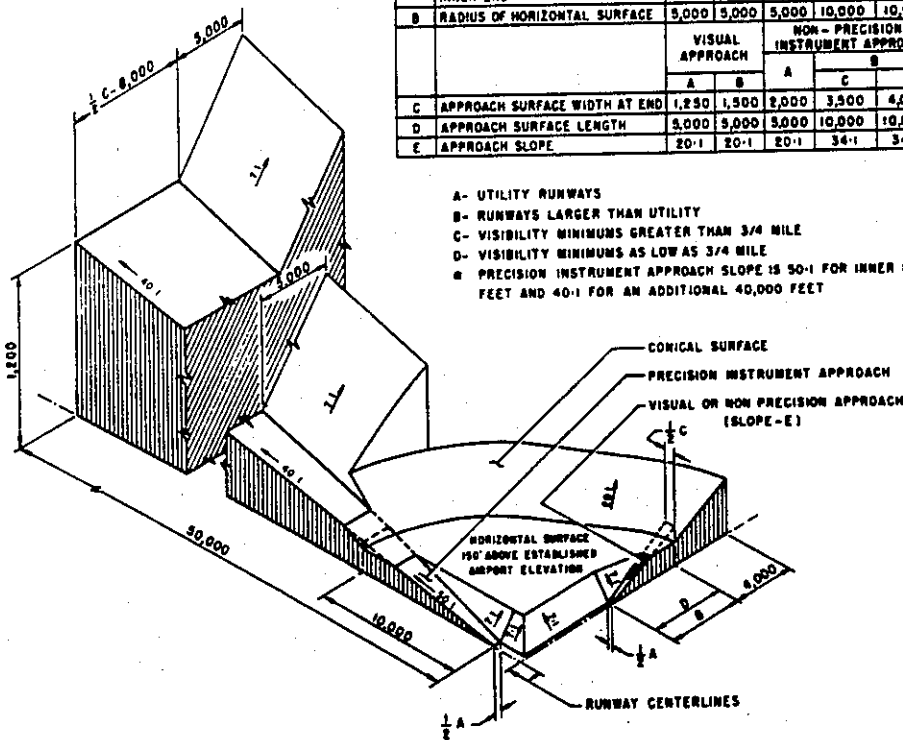
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

- 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	300	500	800	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	3,300	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	3,000	10,000	10,000	10,000
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	4



- 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

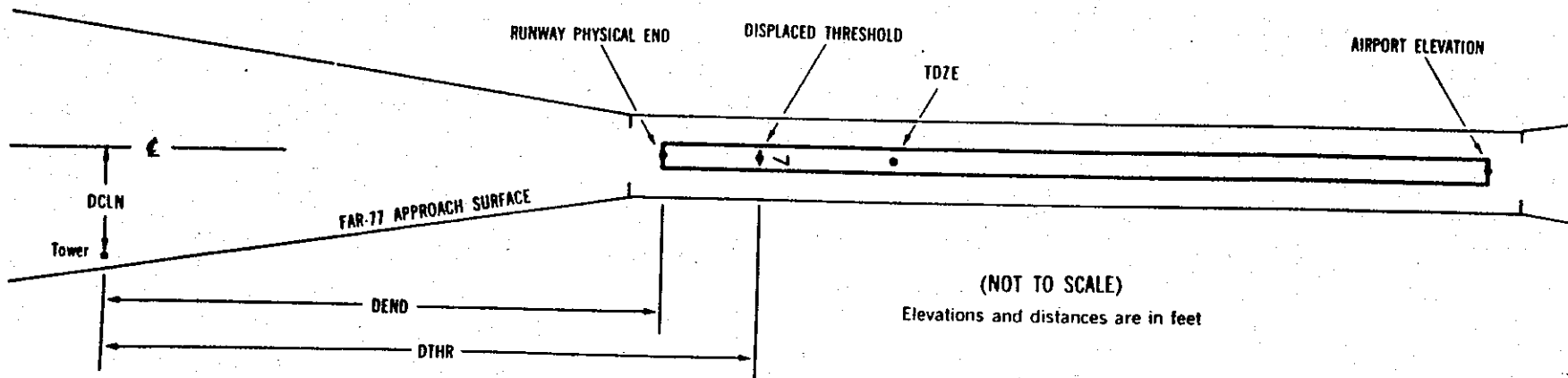
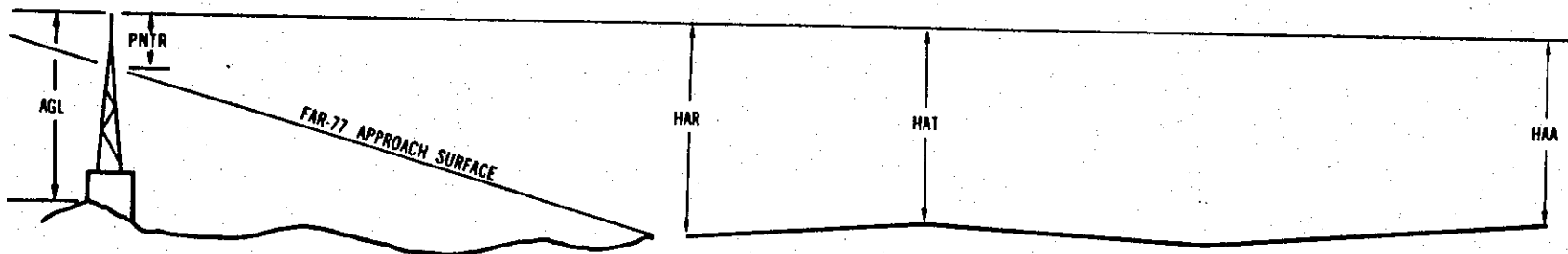
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

	x ¹	x ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXX.XXX ⁴	XXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXX.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		XXXXXX.XXX		XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX		XXXXXX.XXX		XXXXXX.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).

OC0104

AIRPORT ELEVATION 1927

4 SUPLC 1920/1920 345107.321 -1164733.617 503024.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	345141.00	-1164645.69	1A	1912		-8	-8	-15	-5247		88L	5
GROUND	345138.14	-1164644.78	1A	1909		-11	-11	-18	-5122		184R	2
BUSH	345114.22	-1164720.21	1A	1921		1	1	-6	-1306		172R	4
RAILROAD	345056.57	-1164741.90	1A	1957		37	37	30	1224		400R	7
POLE	345054.50	-1164748.76	1A	1978		58	58	51	1798		197R	11
POLE	345057.89	-1164753.93	1A	1961		41	41	34	1913		341L	-9
POLE	345058.16	-1164755.67	1A	1966		46	46	39	2007		454L	-7
POLE	345052.62	-1164753.82	1A	1993		73	73	66	2244		76R	13
POLE	345052.89	-1164800.17	1A	1995		75	75	68	2636		282L	4
GROUND	345023.38	-1164842.21	1A	2108		188	188	181	7237		209L	-19
GROUND	345011.97	-1164831.50	1A	2140		220	220	213	7282		1250R	12
GROUND	345020.01	-1164901.68	1A	2140		220	220	213	8705		978L	-30
GROUND	345004.66	-1164853.90	1A	2234		314	314	307	9193		632R	50
GROUND	345008.47	-1164909.86	1A	2225		305	305	298	9974		512L	18

22 C 1906/1915 345139.519 -1164646.215 2303051.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	345114.22	-1164720.21	1A	1921		15	6	-6	-3812		172L	4
GROUND	345138.14	-1164644.78	1A	1909		3	-6	-18	4		184L	2
BUSH	345141.00	-1164645.69	1A	1912		6	-3	-15	129		88R	5
FENCE	345141.58	-1164637.08	1A	1914		8	-1	-13	720		323L	-8
AG EQUIP	345141.76	-1164636.65	1A	1928		22	13	1	760		332L	5

UC0104.

AIRPORT ELEVATION 1927

8 SUPLC 1927/1927 345105.347 -1164752.192 900158.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD(N)	345102.73	-1164756.54	1A	1946		19	19	19	362		265R	14
BUSH	345107.23	-1164756.95	1A	1935		8	8	8	397		190L	2
BUSH	345103.95	-1164757.38	1A	1938		11	11	11	432		141R	4
RAILROAD	345101.84	-1164803.66	1A	1958		31	31	31	955		355R	8
POLE	345107.03	-1164811.96	1A	1955		28	28	28	1648		169L	-15

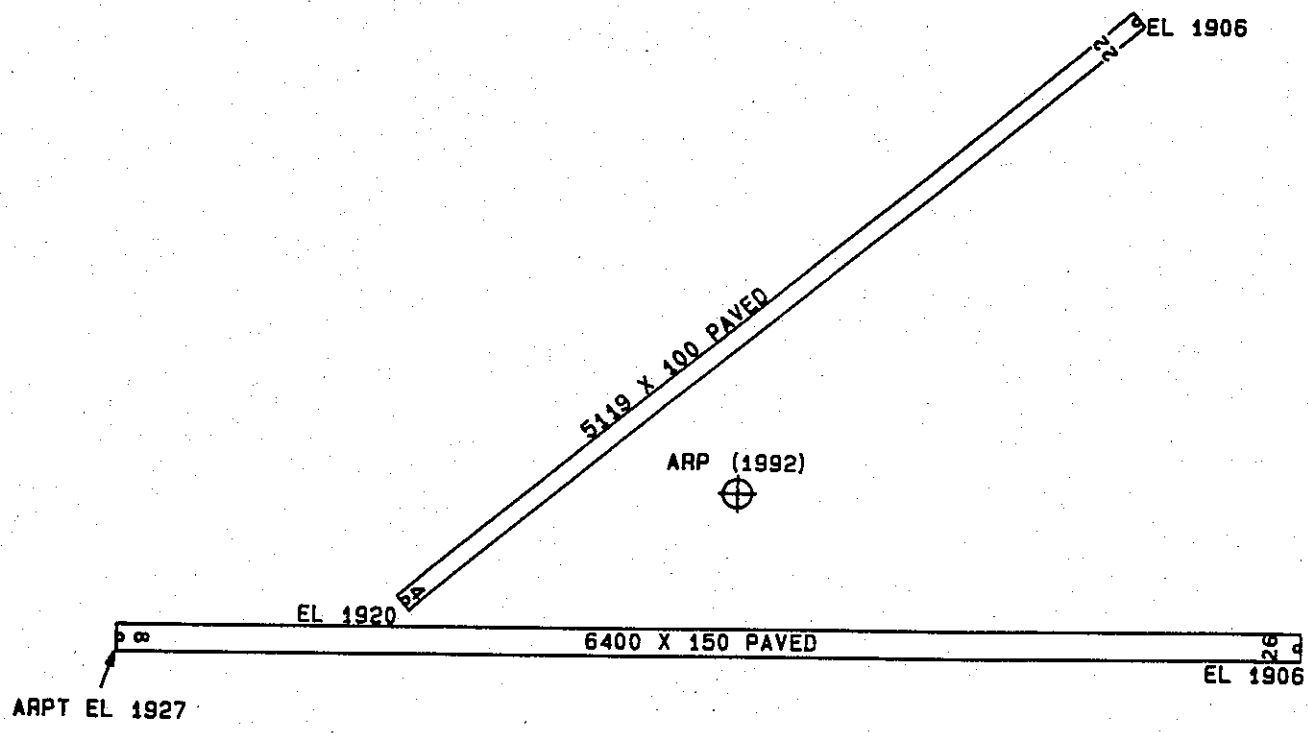
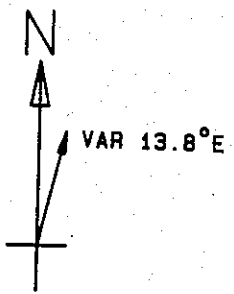
26 SUPLC 1906/1915 345105.304 -1164635.409 2700241.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	345103.14	-1164631.04	1A	1914		8	-1	-13	364		218L	3
BUSH	345106.94	-1164630.74	1A	1913		7	-2	-14	389		166R	1
AG EQUIP	345109.85	-1164615.45	1A	1920		14	5	-7	1663		461R	-29

AIRPORT ELEVATION 1927

ARP 345113.368 -1164712.075

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON LTD WSK	345112.14	-1164731.25	1A	1945		18	25145	1603
ROD ON OL APBN	345113.31	-1164736.46	1A	1978		51	25602	2032
ROD ON OL RTR TWR	345110.71	-1164738.01	1A	1968		41	24907	2178
OL ON TANK	345125.23	-1164737.39	1A	2055		128	28549	2426
BUSH	345108.74	-1164634.05	1A	1924		-3	8435	3204
BUSH	345102.77	-1164634.01	1A	1912		-15	9451	3348
BUSH	345137.64	-1164643.61	1A	1914		-13	3013	3413
POLE	345052.22	-1164744.28	1A	1988		61	21739	3431
BUSH	345142.12	-1164647.99	1A	1915		-12	2049	3533
POLE	345058.44	-1164757.49	1A	1967		40	23427	4075
GROUND	345005.38	-1164718.07	1B	2093		166	17021	6891
GROUND	345017.76	-1164812.21	1B	2103		176	20755	7532
GROUND	345000.09	-1164653.27	1B	2084		157	15415	7572
GROUND	344959.46	-1164730.71	1B	2173		246	17756	7632
GROUND	345000.76	-1164800.78	1B	2176		249	19508	8388
GROUND	345001.46	-1164818.88	1B	2185		258	20339	9156
GROUND	344937.78	-1164742.80	1B	2346		419	18102	9997
GROUND	344943.99	-1164813.52	1B	2269		342	19545	10386
GROUND	344929.54	-1164714.39	1B	2389		462	16715	10498
GROUND	344927.94	-1164639.79	2C	2301		374	15201	10993
GROUND	344945.57	-1164844.25	1B	2349		422	20705	11739
GROUND	344953.03	-1164859.13	2C	2328		401	21353	12066
GROUND	344905.88	-1164709.64	2C	2573		646	16517	12890
GROUND	344902.13	-1164726.98	2C	2601		674	17133	13326
GROUND	344953.15	-1164919.29	2C	2357		430	21847	13349
GROUND	344914.02	-1164827.51	2C	2530		603	19343	13606
GROUND	344914.74	-1164859.68	2C	2669		742	20259	14976
TRMSN TWR	345056.03	-1165020.95	2C	2242		315	24951	15838



TOUCHDOWN ZONE RUNWAY ELEVATION	
4	1920
22	1915
8	1927
26	1915

BARSTOW - DAGGETT AIRPORT
 DAGGETT, CALIFORNIA
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)