

# OBSTRUCTION DATA SHEET

ODS 6922  
SIERRA BLANCA REGIONAL AIRPORT  
RUIDOSO, NEW MEXICO

DIGITIZED FROM

OC 6922  
SURVEYED APRIL 1993  
1ST EDITION

HORIZONTAL DATUM NAD 83  
VERTICAL DATUM NGVD 29



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THE NATIONAL OCEAN SERVICE  
U.S. DEPARTMENT OF COMMERCE  
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## 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.

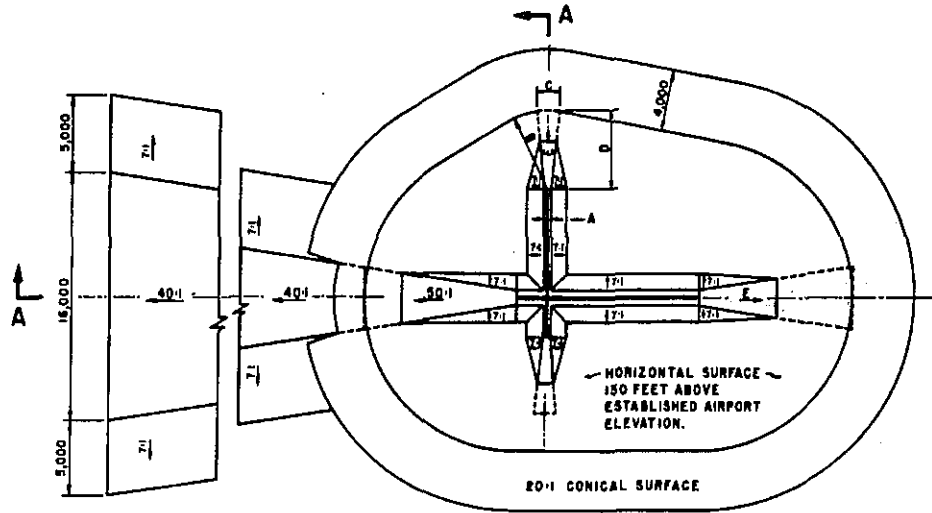
ODS information is arranged as follows:

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.

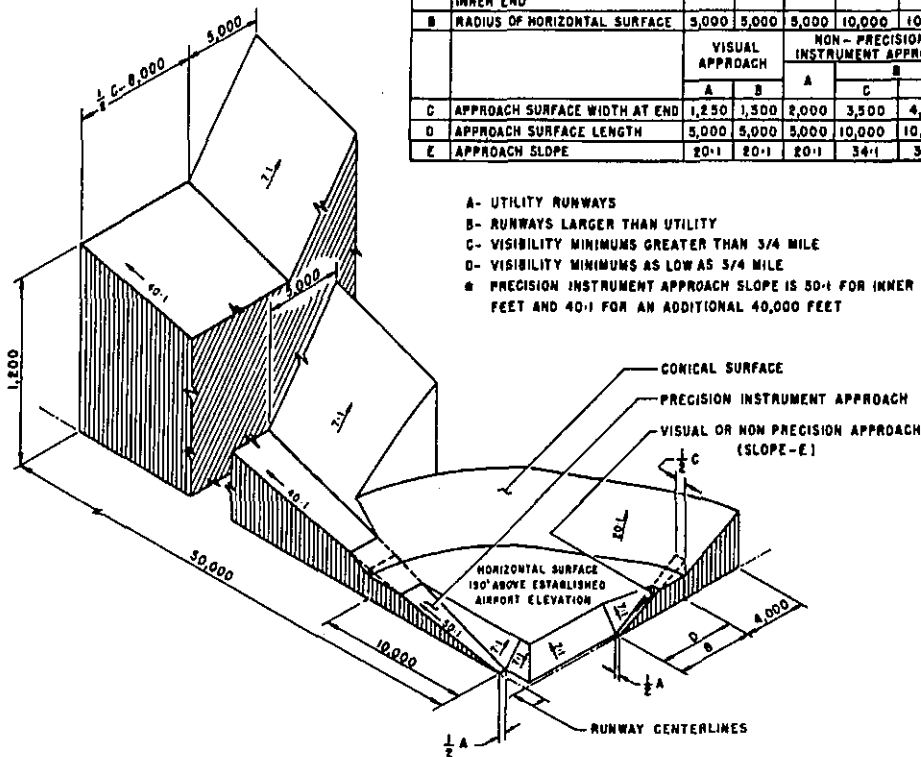
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

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	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	
D	APPROACH SURFACE LENGTH	1,250	1,300	2,000	3,500	4,000	15,000
E	APPROACH SURFACE SLOPE	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT  
IMAGINARY SURFACES

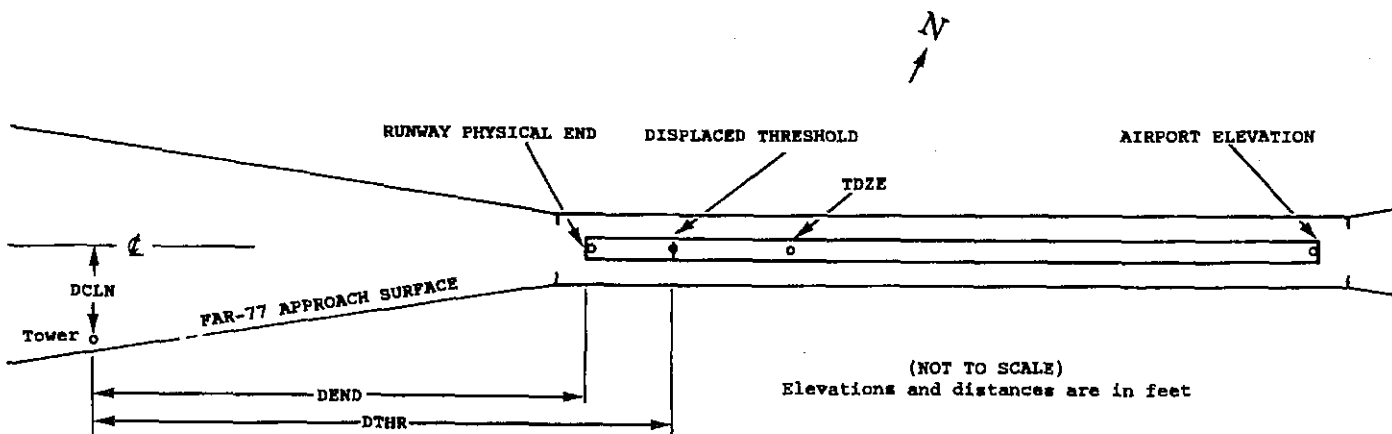
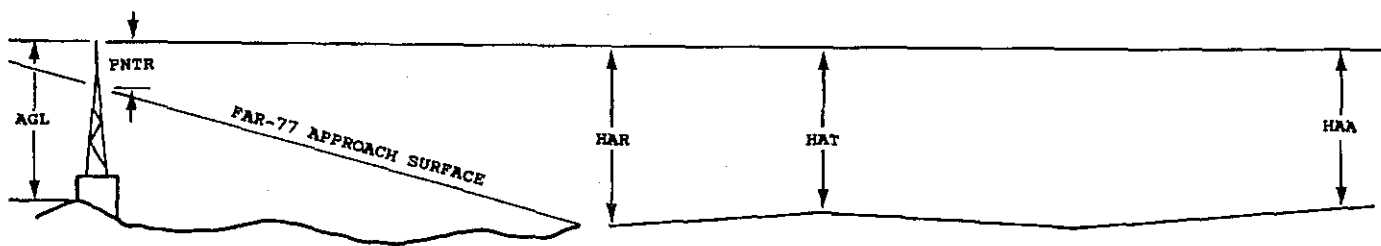
# ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

1 X	2 X	3 XXXX/XXXX	4 XXXXXX.XXX	4 XXXXXX.XXX	5 XXXXXX	6 XXXX/XXXX	7 XXXXXX.XXX	7 XXXXXX.XXX				
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
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

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

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AIRPORT ELEVATION 6811

6 SUPLC 6811/6811 332733.479 -1053250.394 712318.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	332753.63	-1053130.15	1A	6757		-54	-54	-54	-7093		238R	3
BUSH	332733.88	-1053258.76	1A	6832		21	21	21	659		264L	8
BUSH	332728.19	-1053258.02	1A	6833		22	22	22	783		301R	5
POLE	332710.29	-1053340.74	1A	6928		117	117	117	4790		859R	-18

24 C 6748/6768 332759.038 -1053119.807 2512408.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	332753.63	-1053130.15	1A	6757		9	-11	-54	-1005		238L	3
BUSH	332758.43	-1053111.65	1A	6734		-14	-34	-77	635		278L	-27

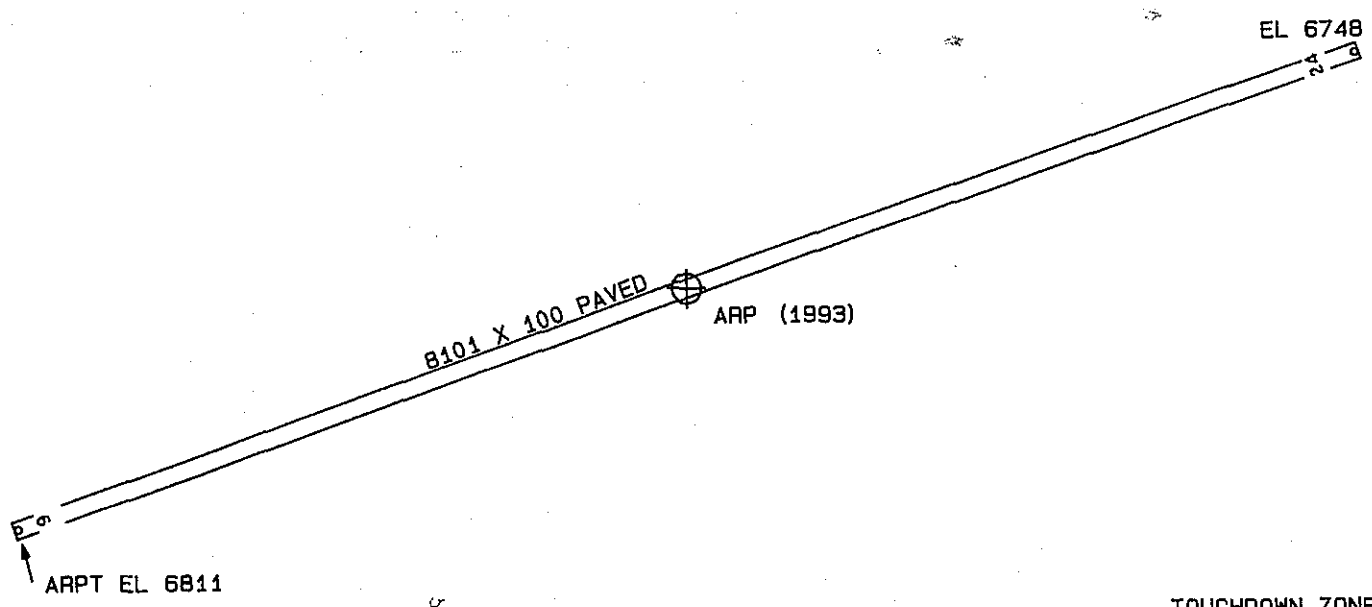
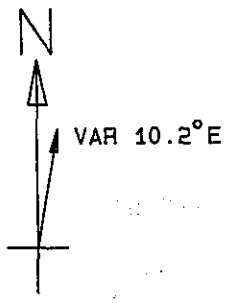
OC6922

AIRPORT ELEVATION 6811

ARP 332746.260 -1053205.103

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG	BEARING	DISTANCE
OL ON LTD WSK	332741.06	-1053159.52	1A	6801		-10	12747		707
ROD ON OL APBN	332754.95	-1053205.95	1A	6813		2	34507		881
LIGHT	332754.02	-1053213.75	1A	6848		37	30646		1073
LIGHT	332751.78	-1053227.21	1A	6858		47	27622		1954
BUSH	332749.55	-1053139.00	1A	6760		-51	7114		2237
ROD ON OL TWR	332800.23	-1053140.10	1A	6794		-17	4606		2546
BUSH	332735.41	-1053232.89	1A	6810		-1	23449		2597
OL ON LTD WSK	332739.12	-1053240.22	1A	6811		0	24609		3061
BUSH	332727.58	-1053257.46	1A	6835		24	23644		4820
POLE	332720.64	-1053313.62	1A	6850		39	23545		6356
TREE	332641.51	-1053419.57	1C	6997		186	22955		13139





TOUCHDOWN ZONE	
RUNWAY ELEVATION	
6	6811
24	6768

SIERRA BLANCA REGIONAL AIRPORT  
 RUIDOSO, NEW MEXICO  
 (NOT TO SCALE)  
 (ELEVATIONS AND DISTANCES IN FEET)