

# OBSTRUCTION DATA SHEET

ODS 480  
DURANGO-LA PLATA COUNTY AIRPORT  
DURANGO, COLORADO

DIGITIZED FROM

OC 480  
SURVEYED APRIL 1993  
7TH EDITION

HORIZONTAL DATUM NAD 83  
VERTICAL DATUM NGVD 29



PREPARED AND DISTRIBUTED BY  
THE NATIONAL OCEAN SERVICE  
U.S. DEPARTMENT OF COMMERCE  
FOR THE FEDERAL AVIATION ADMINISTRATION

## 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.

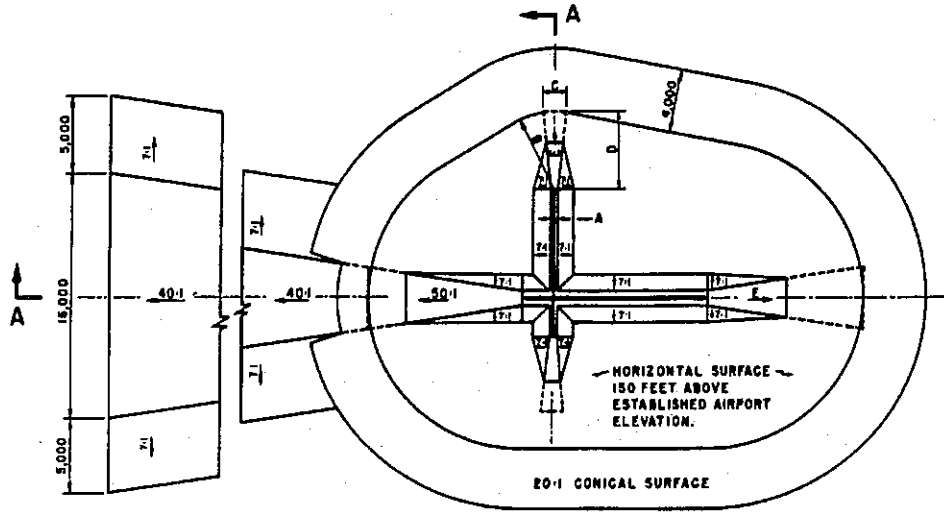
ODS information is arranged as follows:

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.

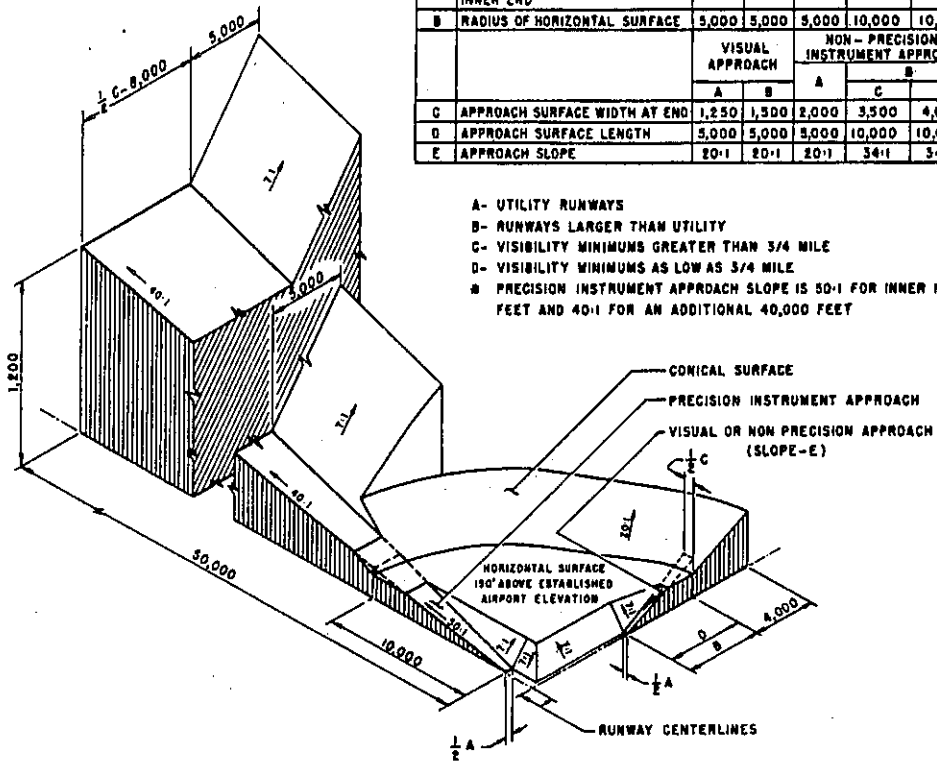
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

- 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
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		A	B	A	C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,300	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**

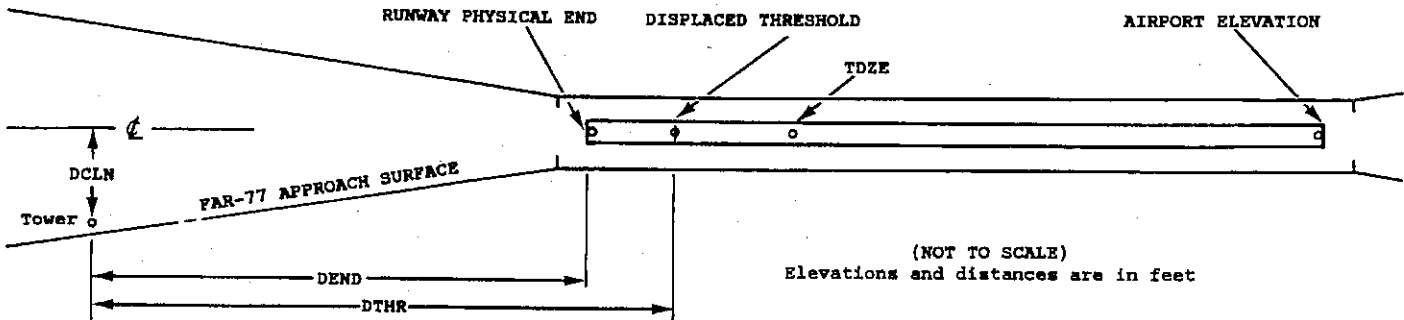
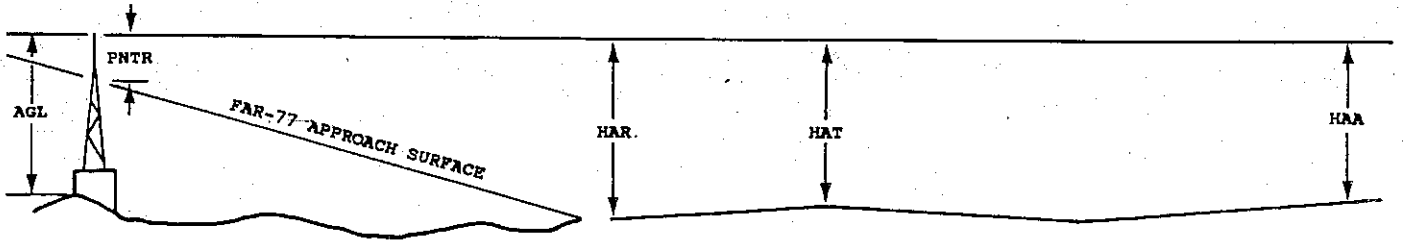
# ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

1	2	3	4	4	5	6	7	7	8	9	10	11	11	11	12	12	12	13
X	X	XXXX/XXXX	XXXXXX.XXX	XXXXXXXX.XXX	XXXXXXX	XXXX/XXXX	XXXXXX.XXX	XXXXXXXX.XXX	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
XXXXXXXXXXXX			XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	
XXXXXXXXXXXX			XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	

\*\*\*\*\*



(NOT TO SCALE)  
Elevations and distances are in feet

## 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).

OC0480

AIRPORT ELEVATION 6685

2 PIR 6615/6639 370829.328 -1074548.048 372222.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	370939.80	-1074435.97	1A	6695		80	56	10	-9207		310R	11
GROUND	370846.47	-1074536.96	1A	6633		18	-6	-52	-1923		339L	7
OL ON GS	370834.75	-1074537.43	1A	6658		43	19	-27	-958		350R	38
WSK	370836.30	-1074546.94	1A	6627		12	-12	-58	-615		356L	8
TREE	370823.56	-1074603.49	1A	6621		6	-18	-64	1223		640L	-15

20 C 6685/6685 370941.589 -1074439.081 2172304.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK	370836.30	-1074546.94	1A	6627		-58	-58	-58	-8583		356R	8
OL ON GS	370834.75	-1074537.43	1A	6658		-27	-27	-27	-8240		350L	38
GROUND	370846.47	-1074536.96	1A	6633		-52	-52	-52	-7275		339R	7
ROAD (N)	370939.80	-1074435.97	1A	6695		10	10	10	9		310L	11
ROAD (N)	370941.66	-1074434.88	1A	6696		11	11	11	212		266L	10
FENCE	370942.55	-1074434.56	1A	6689		4	4	4	299		231L	1
TREE	370942.84	-1074431.18	1A	6698		13	13	13	489		431L	4
ROAD (N)	370949.96	-1074439.66	1A	6706		21	21	21	644		551R	8
ANT ON BLDG	370949.49	-1074435.71	1A	6702		17	17	17	801		269R	-1
OL ON LOC	370947.89	-1074433.06	1A	6697		12	12	12	802		OR	-6
ROAD (N)	370950.35	-1074430.53	1A	6707		22	22	22	1125		12L	-5
TREE	370948.79	-1074427.93	1A	6707		22	22	22	1127		275L	-6

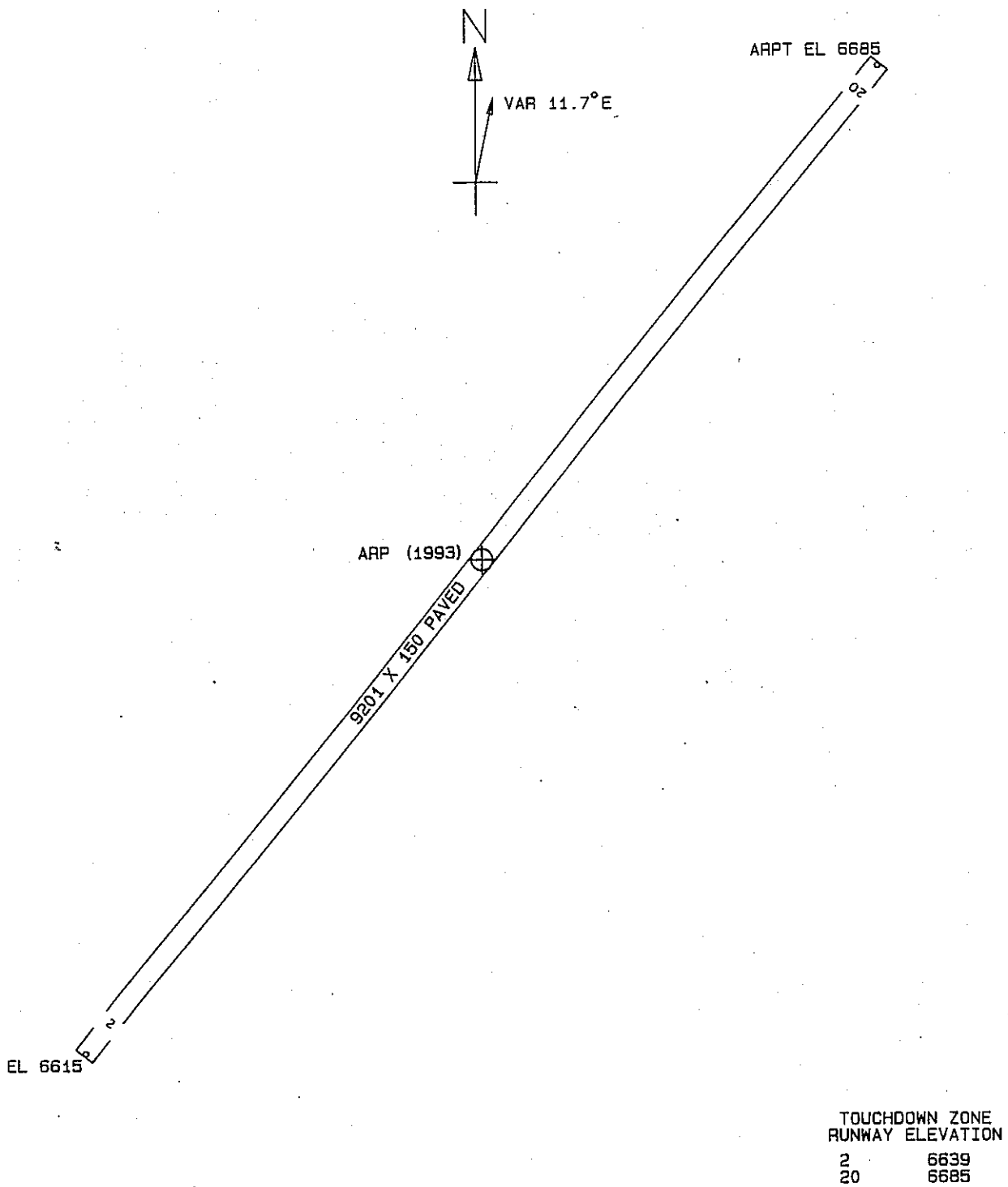
OC0480

AIRPORT ELEVATION 6685

ARP 370905.460 -1074513.569

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ANT ON BLDG	370910.42	-1074520.55	1A	6698		13	29952	755
TREE	370859.93	-1074526.71	1A	6654		-31	23033	1202
OL ON VOR/DME	370911.73	-1074458.63	1A	6682		-3	5036	1366
OL ON APBN	370921.40	-1074510.53	1A	6720		35	35659	1631
TREE	370852.37	-1074534.50	1A	6644		-41	22018	2150
LTD WSK	370918.11	-1074451.81	1A	6681		-4	4218	2177
ROD ON LT	370931.80	-1074502.65	1A	6727		42	639	2807
TREE	370942.94	-1074446.67	1A	6692		7	1810	4372
TREE	370955.97	-1074437.71	1A	6741		56	1754	5876
TOWER	370920.46	-1074646.03	1A	6818		133	26945	7638





DURANGO-LA PLATA COUNTY AIRPORT  
 DURANGO, COLORADO  
 (NOT TO SCALE)  
 (ELEVATIONS AND DISTANCES IN FEET)