

OBSTRUCTION DATA SHEET

ODS 5243
YELLOWSTONE REGIONAL AIRPORT
CODY, WYOMING

DIGITIZED FROM

OC 5243
SURVEYED AUGUST 1993
7TH EDITION

HORIZONTAL DATUM NAD 83
VERTICAL DATUM NGVD 29



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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.

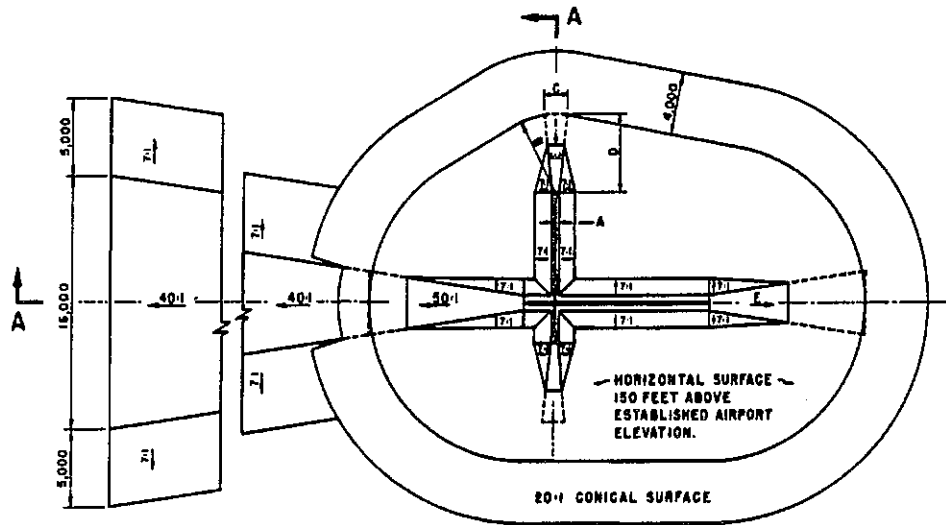
ODS information is arranged as follows:

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.

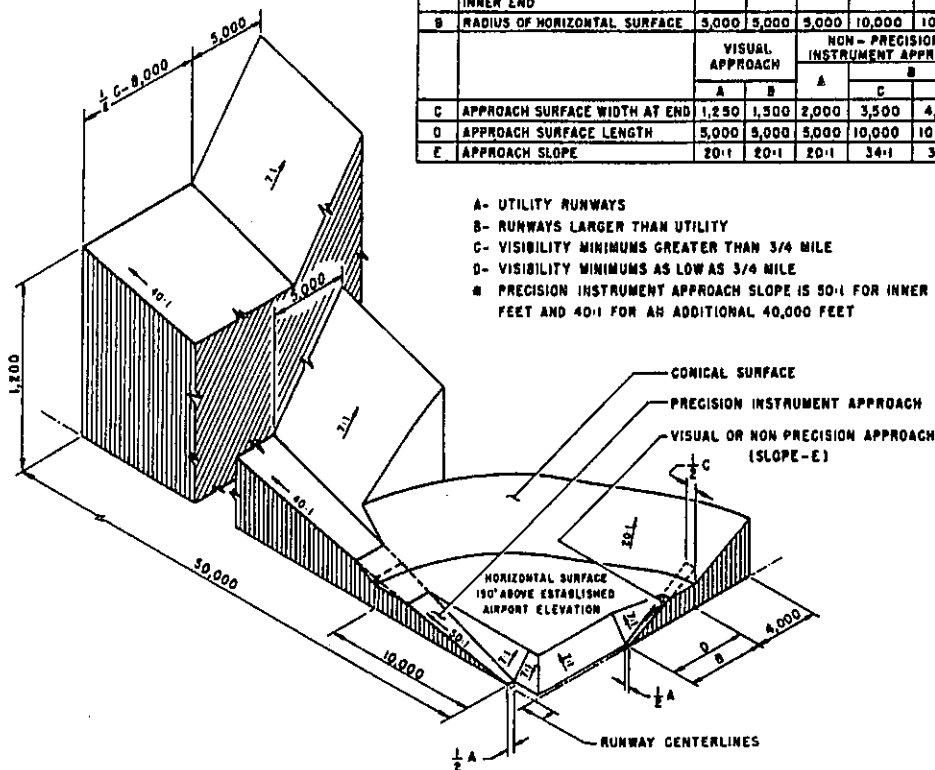
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

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	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	3,000	3,000	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	1,500	2,000	3,500	4,000	16,000
E	APPROACH SLOPE	5,000	5,000	5,000	10,000	10,000	*
		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

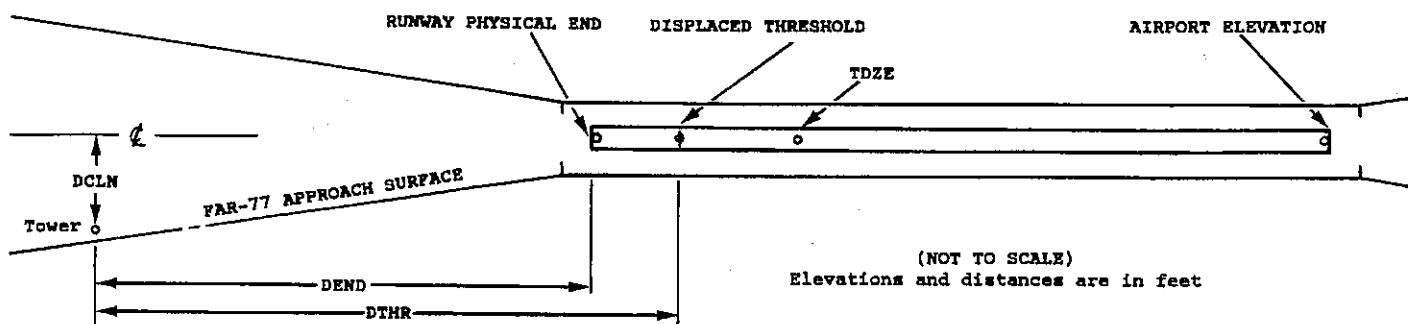
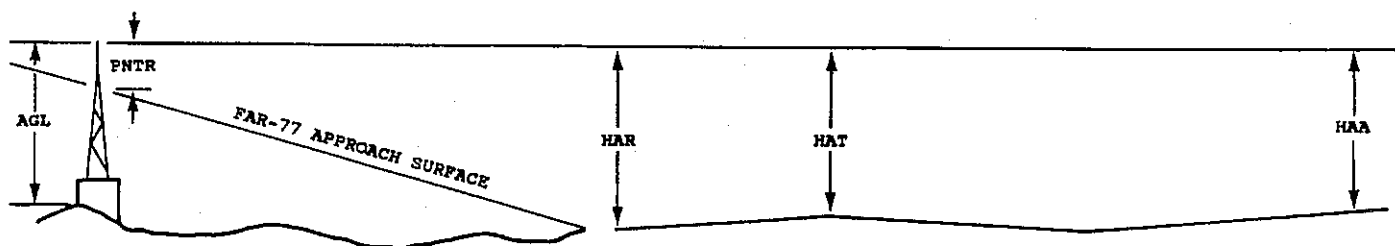
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

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	XXXXXX.XXX	XXXXXX	XXXX/XXXX	XXXXXX.XXX	XXXXXX.XXX	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
XXXXXXXXXXXX			XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	
XXXXXXXXXXXX			XXXXXX.XXX	XXXXXX.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).

OC5243

AIRPORT ELEVATION 5098

4 C 5098/5098 443047.725 -1090210.845 521822.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL LTD WSK	443130.50	-1090049.40	1A	5079		-19	-19	-19	-7318		179R	8
ROAD (N)	443042.38	-1090214.56	1A	5105		7	7	7	544		263R	-3
LIGHT	443045.78	-1090220.86	1A	5119		21	21	21	695		288L	6
OL POLE	443017.80	-1090327.79	1A	5325		227	227	227	6265		1012L	48
OL POLE	443012.98	-1090322.91	1A	5332		234	234	234	6283		410L	55
OL POLE	443005.91	-1090318.80	1A	5378		280	280	280	6486		339R	95

22 C 5071/5072 443137.668 -1090040.477 2321925.

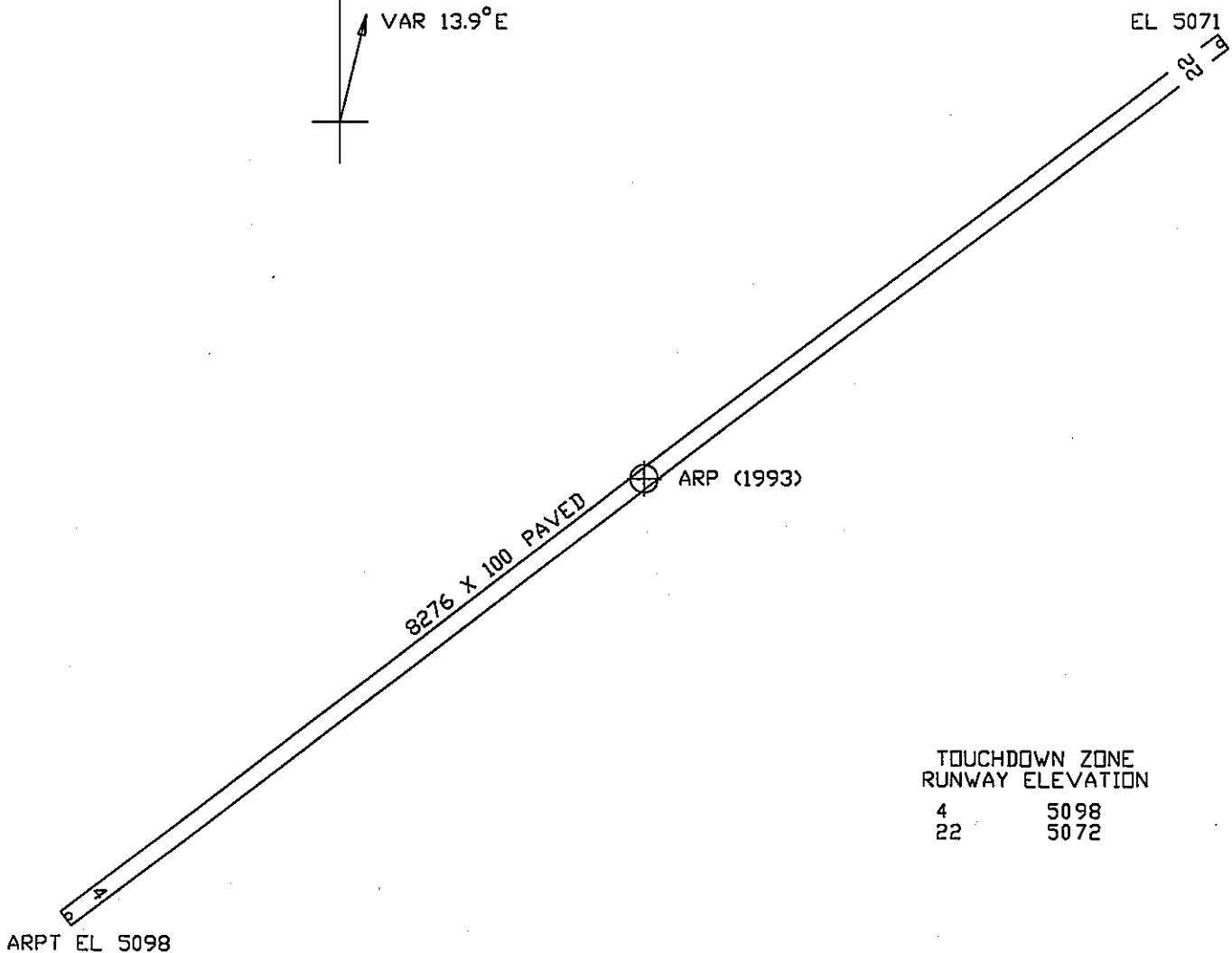
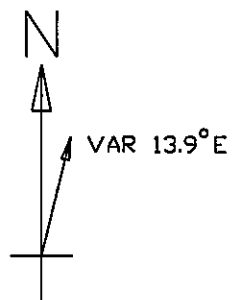
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL LTD WSK	443130.50	-1090049.40	1A	5079		8	7	-19	-955		179L	8
ROAD (N)	443139.51	-1090029.97	1A	5081		10	9	-17	717		317L	-5
TREE	443146.01	-1090019.54	1A	5120		49	48	22	1717		258L	4
GROUND	443147.09	-1090014.29	1A	5126		55	54	28	2085		404L	0

OC5243

AIRPORT ELEVATION 5098

ARP 443112.699 -1090125.666

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG	BEARING	DISTANCE
ROD ON OL TWR	443112.35	-1090135.44	1A	5100		2	25312		709
LTD WTEE	443056.53	-1090144.54	1A	5093		-5	20557		2133
OL ON LTD WSK	443056.02	-1090145.51	1A	5109		11	20630		2218
FENCE	443120.80	-1090056.45	1A	5103		5	5454		2270
TREE	443100.73	-1090200.01	1A	5132		34	23008		2768
RFLTR	443113.41	-1090046.99	1A	5315		217	7437		2803
GROUND	443109.87	-1090046.15	1A	5329		231	8148		2877
APBN	443059.43	-1090046.01	1A	5325		227	10109		3172
OL ON LTD WSK	443054.02	-1090205.11	1A	5100		2	22236		3427
ANT	443048.12	-1090159.30	1A	5134		36	21029		3483
POLE	443130.22	-1090038.48	1A	5141		43	4839		3851
TREE	443135.84	-1090036.88	1A	5088		-10	4233		4240
TREE	443137.09	-1090027.84	1A	5132		34	4534		4863
GROUND	443110.00	-1090014.31	1A	5300		202	7906		5177
GROUND	443143.03	-1090015.92	1A	5142		44	4448		5913
GROUND	443145.25	-1090015.04	1A	5130		32	4317		6086
OL TWR	443045.82	-1090323.00	1A	5287		189	23821		8926
GROUND	442947.13	-1090044.34	1A	5449		351	14701		9168
POLE	443021.92	-1090329.80	1A	5286		188	22621		10361
POLE	443019.26	-1090328.78	1A	5313		215	22452		10433
POLE	443025.35	-1090335.59	1A	5285		187	22907		10565
GROUND	442953.84	-1090308.89	1A	5428		330	20914		10942
GROUND	443013.41	-1090358.93	1C	5268		170	22743		12625
GROUND	442851.24	-1090157.42	1C	5595		497	17513		14508
BUSH	443020.45	-1090439.67	1C	5426		328	23529		15020
GROUND	442845.82	-1090304.63	1C	5484		386	19151		16513



TOUCHDOWN ZONE	
RUNWAY ELEVATION	
4	5098
22	5072

YELLOWSTONE REGIONAL AIRPORT
 CODY, WYOMING
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)