

OBSTRUCTION DATA SHEET

ODS 727
OKMULGEE MUNICIPAL AIRPORT
OKMULGEE, OKLAHOMA

DIGITIZED FROM

OC 727
SURVEYED APRIL 1994
2ND 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.

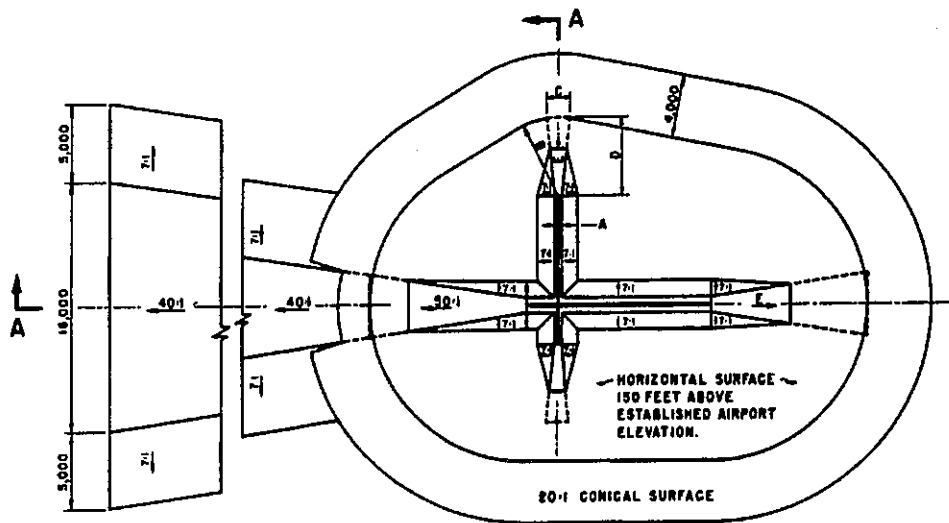
ODS information is arranged as follows:

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.

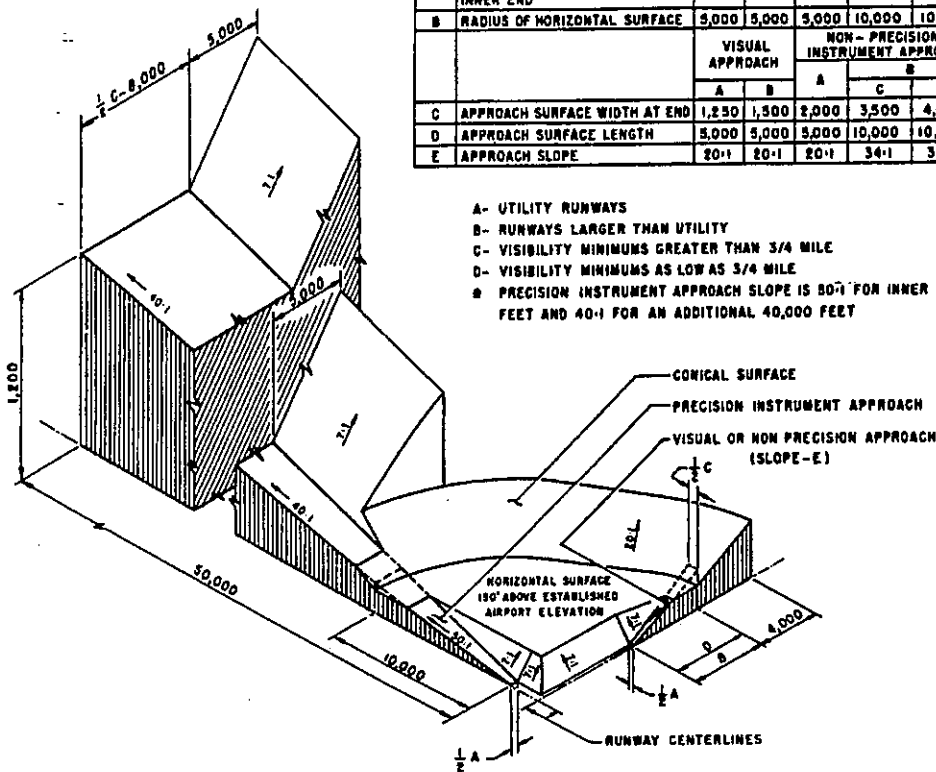
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

- 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	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	3,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	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 30:1 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**

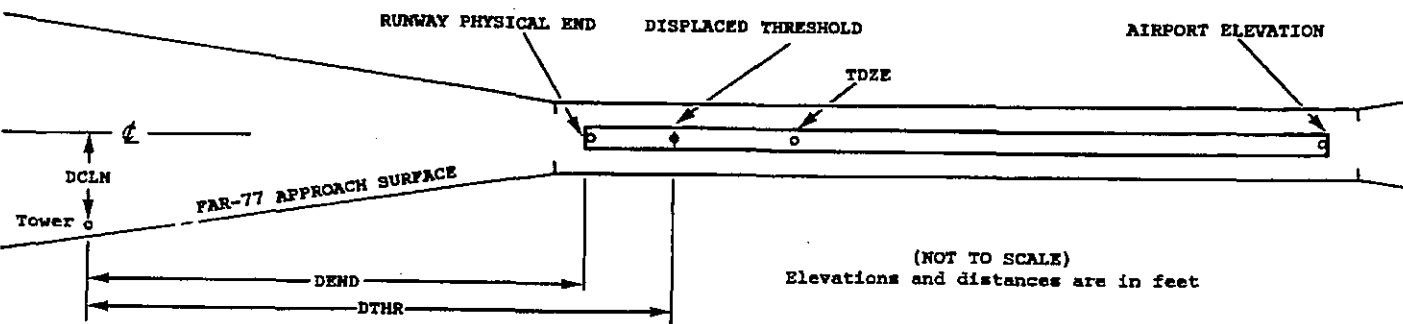
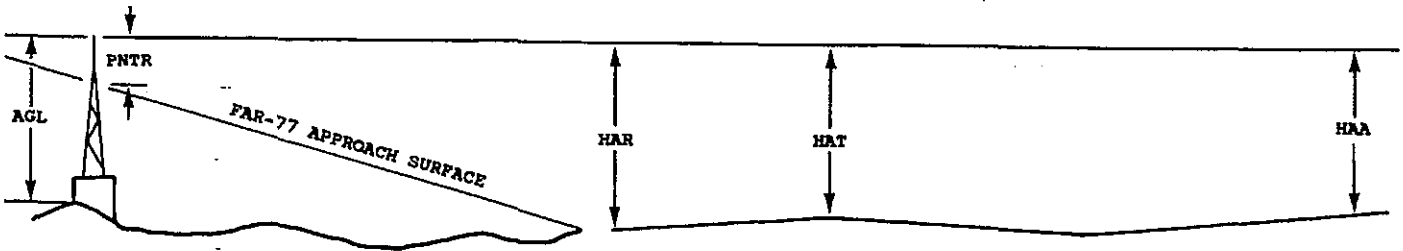
ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

	1	2	3	4	4	5	6	7	7	
	X	X	XXXX/XXXX	XXXXXXXX.XXX	XXXXXXXX.XXX	XXXXXXXX	XXXX/XXXX	XXXXXXXX.XXX	XXXXXXXX.XXX	

OBJECT	LAT	LONG	A ⁸	EL ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	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).

0C0727

AIRPORT ELEVATION 713

35 SUPLC 685/ 703 353939.814 -955654.785 958.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	354023.93	-955700.04	1A	718		33	15	5	-4459		447L	5
ANT ON OL GS	354010.85	-955649.84	1A	744		59	41	31	-3140		399R	39
BUSH	353941.62	-955652.17	1A	698		13	-5	-15	-183		215R	12
TREE	353926.90	-955647.56	1A	725		40	22	12	1304		600R	8
TREE	353925.04	-955649.19	1A	759		74	56	46	1492		466R	36
TREE	353924.39	-955651.66	1A	741		56	38	28	1559		262R	16
TREE	353918.85	-955655.81	1A	747		62	44	34	2120		78L	6

17 PIR 713/ 713 354022.335 -955654.634 1800958.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	353941.62	-955652.17	1A	698		-15	-15	-15	-4116		215L	12
ANT ON OL GS	354010.85	-955649.84	1A	744		31	31	31	-1160		399L	39
GROUND	354023.93	-955700.04	1A	718		5	5	5	160		447R	5
GROUND	354024.44	-955659.95	1A	718		5	5	5	212		439R	4
TREE	354027.50	-955700.42	1A	741		28	28	28	521		479R	21
TREE	354028.44	-955700.89	1A	745		32	32	32	616		518R	23
TREE	354030.86	-955701.57	1A	758		45	45	45	861		575R	31
TREE	354035.52	-955702.64	1A	761		48	48	48	1331		664R	25
TREE	354041.12	-955650.03	1A	751		38	38	38	1900		374L	4
TREE	354046.18	-955701.76	1A	762		49	49	49	2410		595R	4

4 SUPLC 683/ 689 353929.482 -955724.252 451019.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	353956.74	-955646.69	1A	703		20	14	-10	-4141		230R	11
TREE	353929.49	-955728.59	1A	702		19	13	-11	253		253L	17
TREE	353925.78	-955724.60	1A	712		29	23	-1	284		245R	26
TREE	353928.51	-955728.16	1A	695		12	6	-18	298		158L	9
TREE	353923.66	-955727.25	1A	715		32	26	2	590		243R	20
POLE	353913.15	-955738.17	1A	720		37	31	7	1979		362R	-16

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AIRPORT ELEVATION 713

22 C 692/ 692 353959.458 -955647.295 2251041.

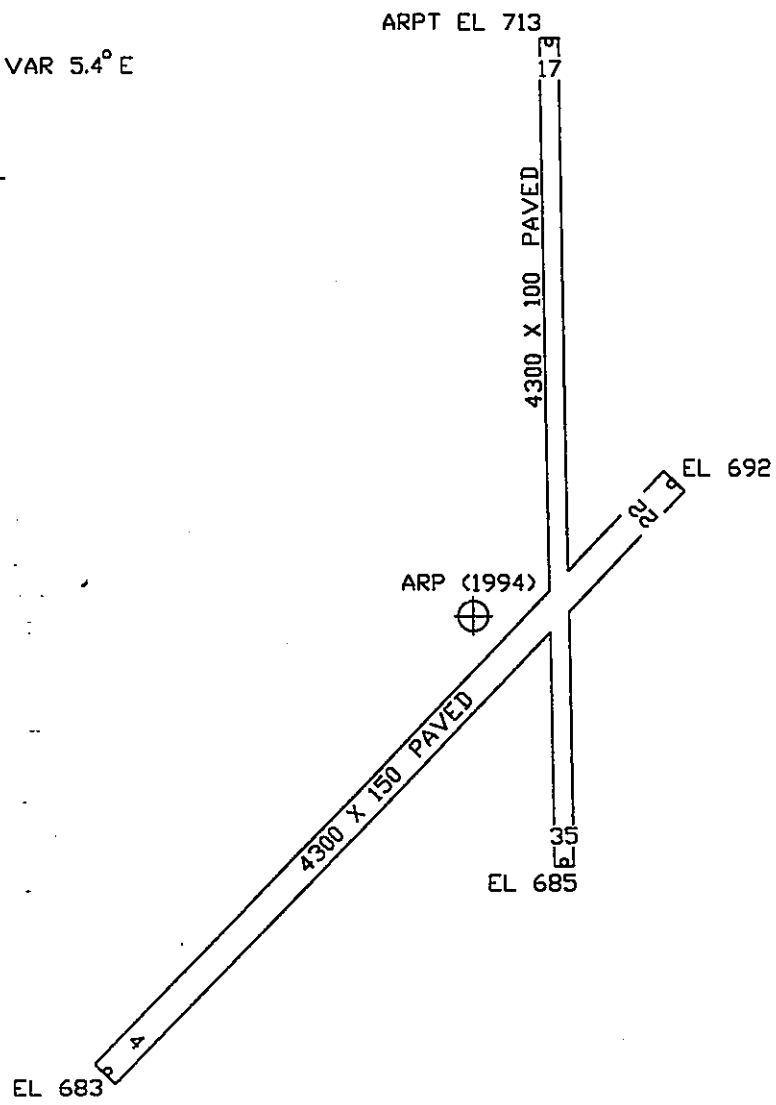
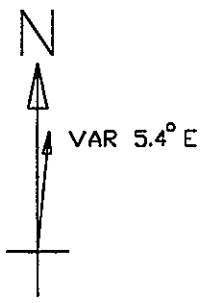
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	353956.74	-955646.69	1A	703		11	11	-10	-159		230L	11
TREE	354002.53	-955645.80	1A	707		15	15	-6	307		134R	12
TREE	354006.30	-955639.33	1A	719		27	27	6	954		28R	5

OC0727

AIRPORT ELEVATION 713

ARP 353952.773 -955700.242

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ROD ON OL APBN	353959.01	-955710.31	1A	759		46	30148	1043
BUSH	353939.13	-955706.94	1A	705		-8	19626	1486
TREE	354005.28	-955645.63	1A	711		-2	3814	1748
TREE	353932.76	-955726.98	1A	715		2	22204	2994
TREE	354026.55	-955701.30	1A	743		30	35308	3416
TREE	353929.15	-955729.90	1A	723		10	22017	3419
TREE	354031.04	-955703.44	1A	754		41	35042	3879
TREE	353919.48	-955729.22	1A	713		0	20959	4129
TREE	353923.05	-955740.46	1A	737		24	22226	4477
REFINERY	353812.92	-955808.11	1A	936	269	223	20337	11546
ROD ON OL STACK	353744.96	-955633.15	1A	889		176	-16447	13116
TREE	354133.21	-955844.73	1A	924		211	31416	13321
STACK	353747.32	-955754.23	1A	870	200	157	19357	13445
TREE	354156.57	-955807.81	1A	979		266	33036	13702
TREE	354116.13	-955912.13	1A	949		236	30222	13764



TOUCHDOWN ZONE RUNWAY ELEVATION	
35	703
17	713
4	689
22	692

OKMULGEE MUNICIPAL AIRPORT
 OKMULGEE, OKLAHOMA
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)