OBSTRUCTION DATA SHEET

ODS 241
LUBBOCK INTERNATIONAL AIRPORT
LUBBOCK, TEXAS

DIGITIZED FROM

OC 241
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HORIZONTAL DATUM NAD 83
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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).

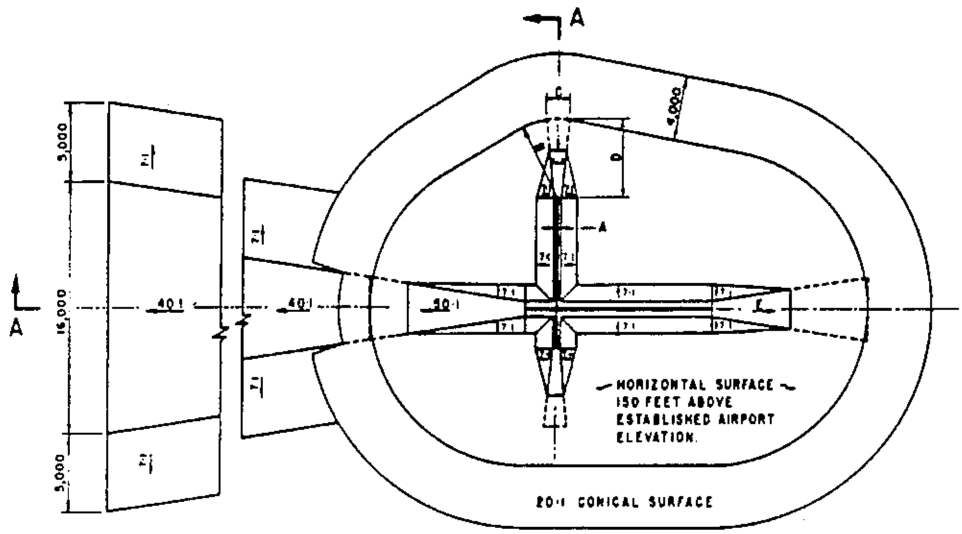
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

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:

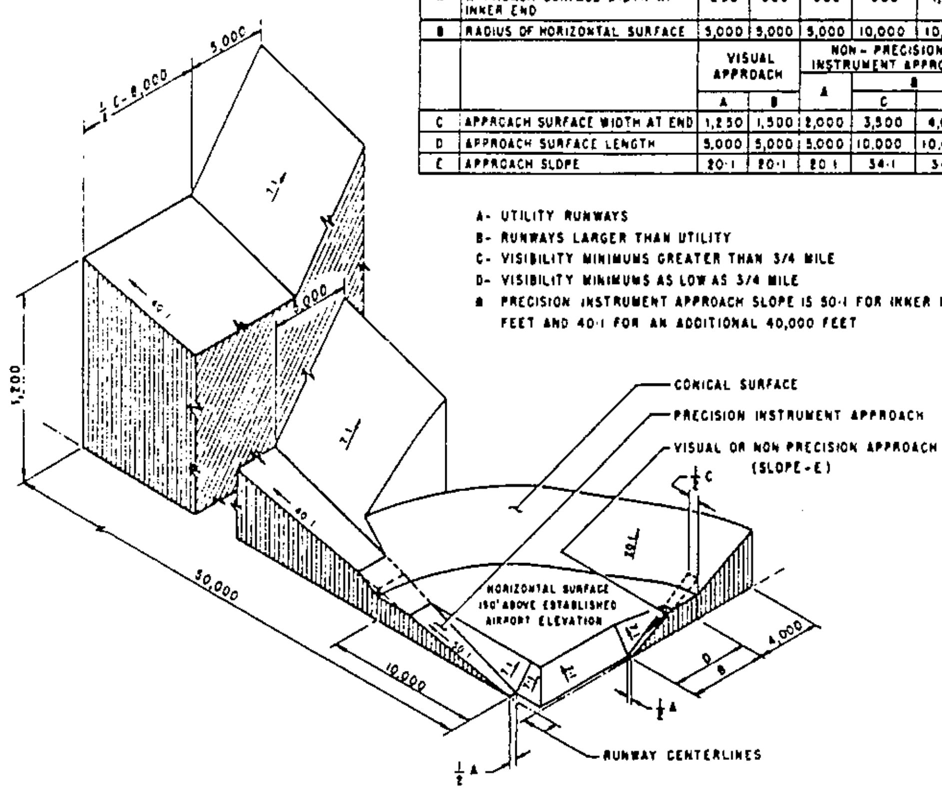
A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D ..... Nonutility runway- nonprecision 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	B		
					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	B		
					C	D	
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 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] XXXXXXX.XXX[4] XXXXXXX[5] XXXX/XXXX[6] XXXXXX.XXX[7] XXXXXXX.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]
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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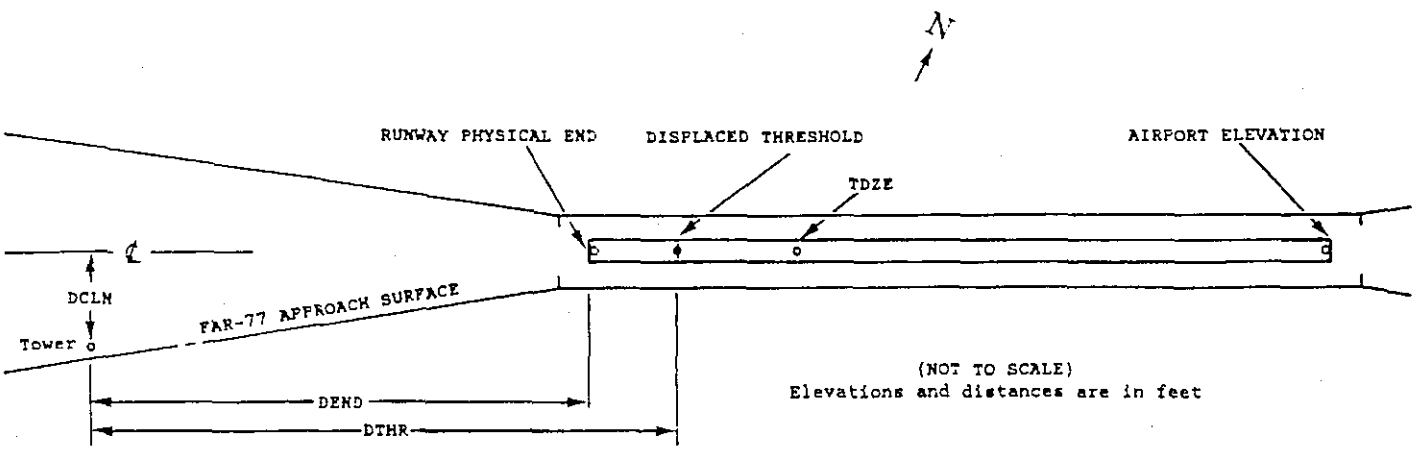


EXPLANATION OF FOOTNOTES

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 <u>appearing on the OC</u> 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).

OC0241

AIRPORT ELEVATION 3281

17L AV 3253/ 0 333935.265 -1014901.745 1793837.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	333953.44	-1014901.27	1A	3281		28	3281	0	1837		52L	-54

35R AV 3260/ 0 333906.886 -1014901.534 3593838.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	333901.23	-1014859.58	1A	3278		18	3278	-3	573		162R	-1
POLE	333851.01	-1014903.45	1A	3286		26	3286	5	1604		172L	-45

17R PIR 3281/3281 334056.513 -1014944.513 1794004.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	333912.42	-1014946.47	1A	3253		-28	-28	-28	-10520		226R	9
ROD ON OL TMOM	334045.43	-1014950.02	1A	3294		13	13	13	-1118		472R	17
ROD ON OL GS	334045.74	-1014950.35	1A	3314		33	33	33	-1086		500R	37
OL ON LTD WSK	334046.81	-1014941.68	1A	3286		5	5	5	-982		234L	9
ANT ON BLDG	334111.68	-1014949.80	1A	3298		17	17	17	1536		438R	-10

35L C 3241/3253 333902.766 -1014943.725 3594005.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	334046.81	-1014941.68	1A	3286		45	33	5	-10515		234R	9
ROD ON OL GS	334045.74	-1014950.35	1A	3314		73	61	33	-10411		500L	37
ROD ON OL TMOM	334045.43	-1014950.02	1A	3294		53	41	13	-10380		472L	17
OL ON LTD WSK	333912.42	-1014946.47	1A	3253		12	0	-28	-977		226L	9
OL ON LOC	333849.23	-1014943.63	1A	3244		3	-9	-37	1368		0R	-31
OL ON DME	333848.99	-1014940.23	1A	3260		19	7	-21	1394		288R	-16

OC0241

AIRPORT ELEVATION 3281

8 C 3256/3256 333943.925 -1014944.898 893925.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	333947.87	-1014810.21	1A	3255		-1	-1	-26	-8006		352L	1
OL ON LTD WSK	333942.13	-1014821.91	1A	3261		5	5	-20	-7013		223R	7
ROD ON OL GS	333949.27	-1014822.12	1A	3293		37	37	12	-7000		499L	39
OL ON LTD WSK	333946.21	-1014933.41	1A	3264		8	8	-17	-972		226L	8
OL ON LOC	333943.87	-1014955.29	1A	3258		2	2	-23	878		0R	-18
LT ON HANGAR	333948.15	-1014955.75	1A	3268		12	12	-13	915		433L	-9
ANT ON BLDG	333946.54	-1014955.84	1A	3268		12	12	-13	923		270L	-9
LT POLE	333940.28	-1015010.90	1A	3285		29	29	4	2200		355R	-29

26 PIR 3254/3255 333944.389 -1014810.256 2694018.

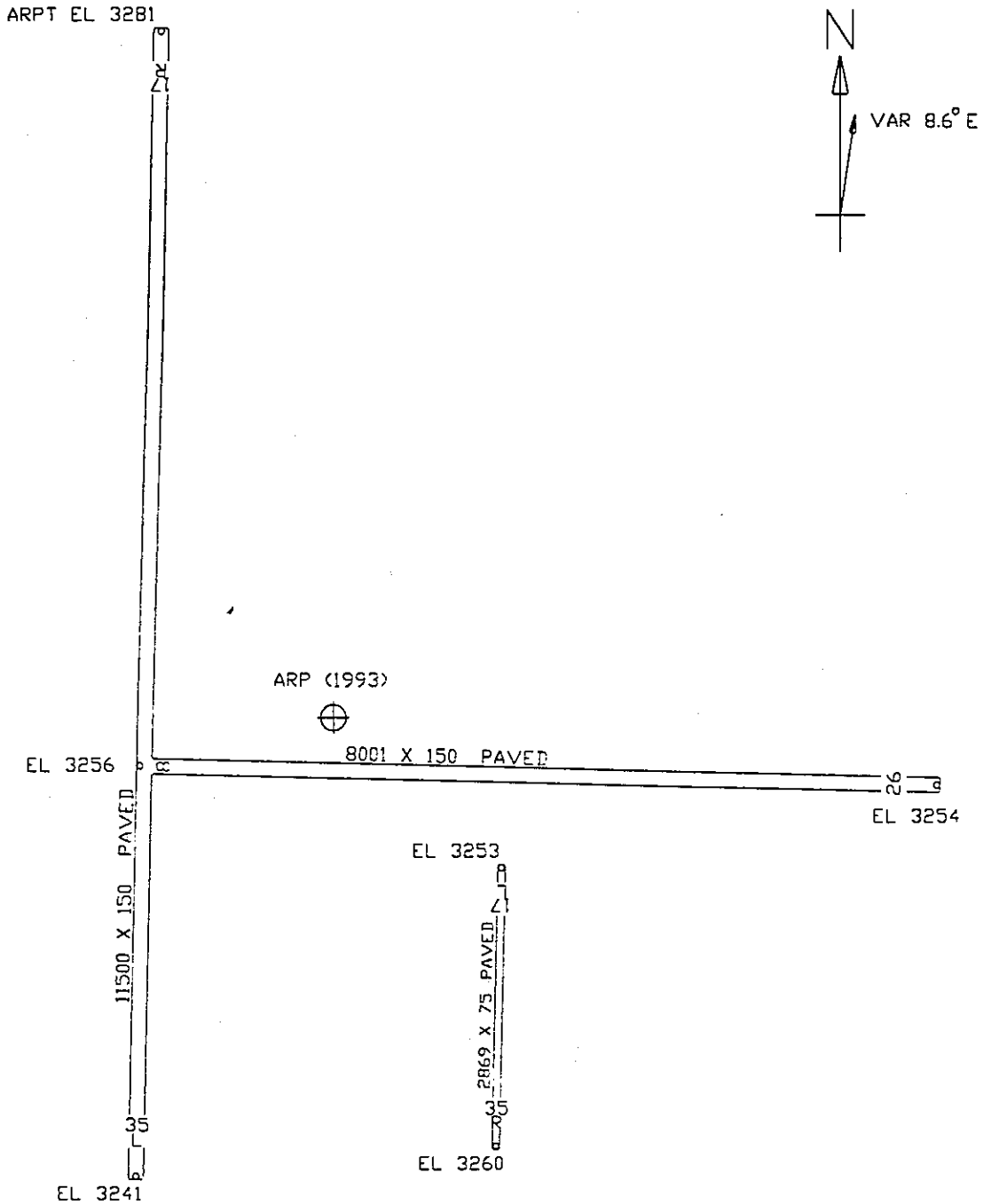
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	333946.21	-1014933.41	1A	3264		10	9	-17	-7027		226R	8
ROD ON OL GS	333949.27	-1014822.12	1A	3293		39	38	12	-1000		499R	39
OL ON LTD WSK	333942.13	-1014821.91	1A	3261		7	6	-20	-987		223L	7
GROUND	333947.87	-1014810.21	1A	3255		1	0	-26	6		352R	1
ANT ON ELEC EQUIP	333940.37	-1014802.86	1A	3258		4	3	-23	622		410L	-4

OC0241

AIRPORT ELEVATION 3281

ARP 333949.157 -1014922.024

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
POLE	333950.87	-1014926.26	1A	3278		-3	28709	398
ANT ON OL AMOM	333951.64	-1014934.92	1A	3281		0	27420	1118
ANT ON OL ATCT	333958.47	-1014912.06	1A	3372		91	3313	1263
ANT ON OL RTR TWR	333953.00	-1014954.60	1A	3312		31	26926	2781
ANT ON ELEC EQUIP	333938.83	-1014850.73	1A	3260		-21	10255	2844
LT ON HANGAR	333937.35	-1014955.79	1A	3273		-8	23842	3093
WSK	333922.56	-1014903.59	1A	3272		-9	14118	3108
WSK ON OL LT TWR	333934.44	-1014955.45	1A	3302		21	23337	3193
ANT ON OL RTR TWR	334005.15	-1014954.67	1A	3314		33	29146	3198
ROD ON OL APBN	333958.50	-1014959.48	1A	3356		75	27800	3304
BLDG	333927.70	-1014954.13	1A	3309		28	22246	3474
HANGAR	333917.63	-1014858.38	1A	3275		-6	13918	3762
PIPE	334026.29	-1014950.84	1A	3278		-3	31825	4474
ROD ON OL TMOM	334042.99	-1014950.81	1A	3294		13	32718	5961
ANT ON OL TANK	333923.10	-1014810.69	1A	3414		133	10459	6580
POLE	334102.37	-1014953.97	1A	3320		39	33121	7877
ANT ON OL TANK	333808.93	-1014850.55	1A	3389		108	15640	10474



TOUCHDOWN ZONE RUNWAY	ELEVATION
17R	3281
35L	3253
8	3256
26	3255

LUBBOCK INTERNATIONAL AIRPORT

LUBBOCK, TEXAS

(NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)