

OBSTRUCTION DATA SHEET

ODS 1
ABILENE REGIONAL AIRPORT
ABILENE, TEXAS

DIGITIZED FROM

OC 1
SURVEYED NOVEMBER 1992
9TH 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.

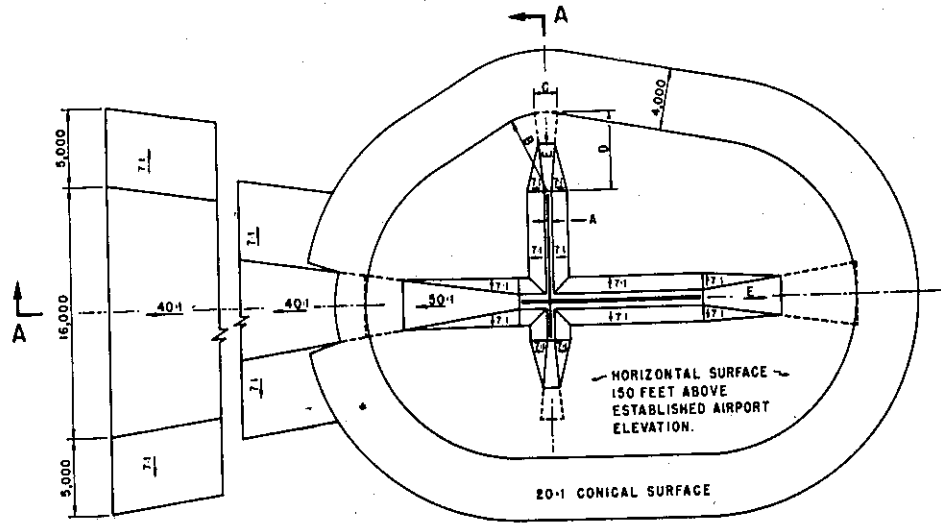
ODS information is arranged as follows:

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:

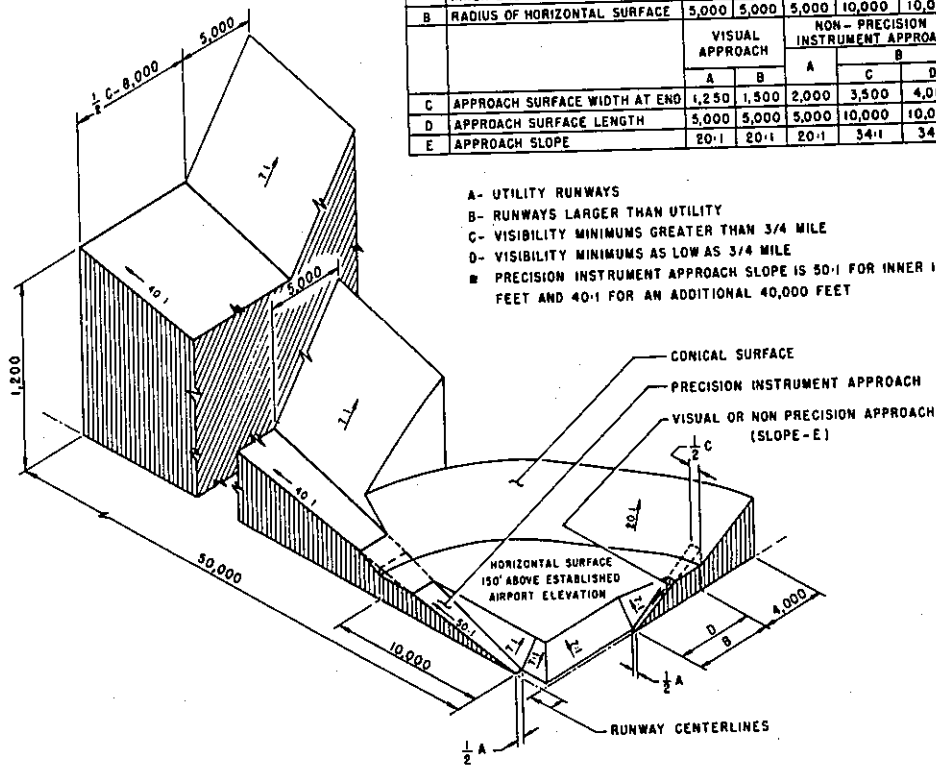
- A(V) Utility runway - visual approach only
- A(NP) ... Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway - nonprecision instrument 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
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	16,000
E	APPROACH SLOPE	50:1	50:1	50:1	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

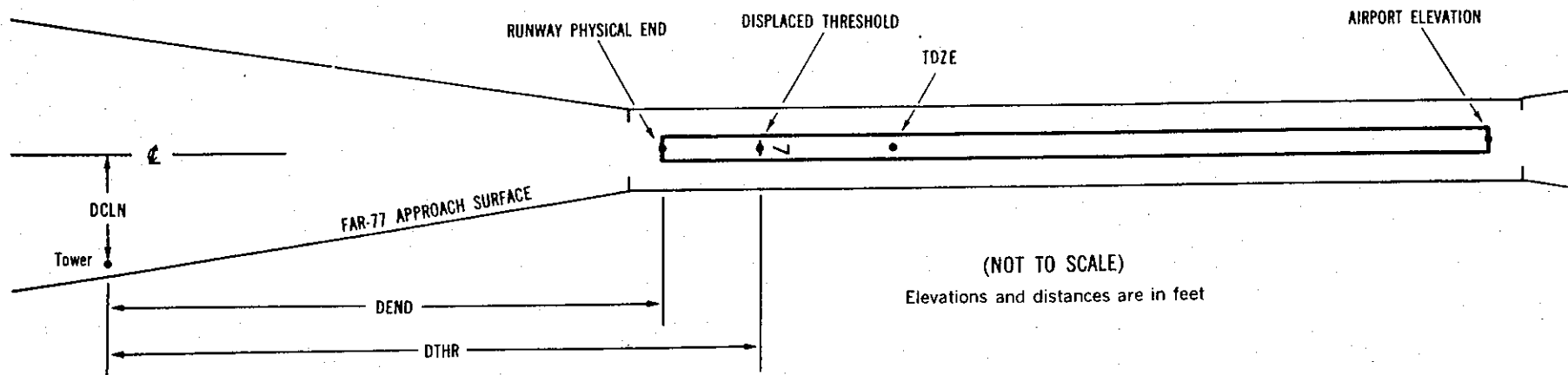
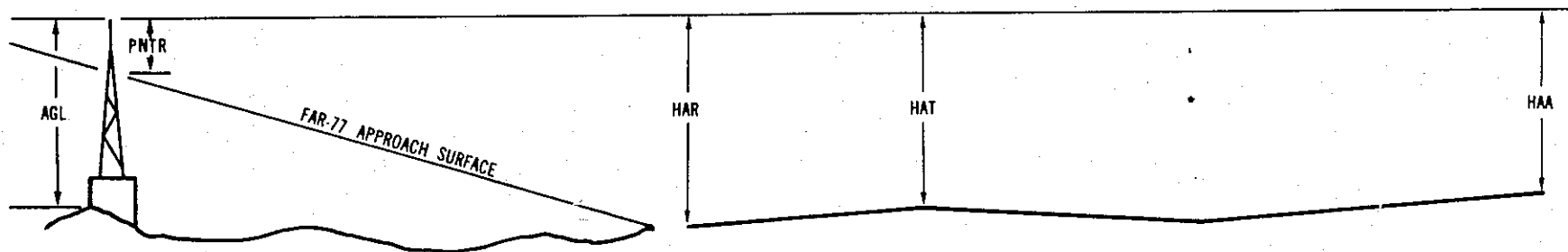
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

DC XXXX

AIRPORT ELEVATION XXXX

OBJECT	LAT	LONG	A ⁸	ELEV 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).

OC0001

AIRPORT ELEVATION 1790

17L C 1790/1790 322430.713 -994029.209 1794548.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	322331.00	-994024.26	1A	1809		19	19	19	-6036		399L	38
GROUND	322432.93	-994029.13	1A	1791		1	1	1	224		8L	1
OL ON LOC	322442.58	-994029.27	1A	1805		15	15	15	1199		0R	-14
ANT ON OL DME	322442.61	-994032.35	1A	1821		31	31	31	1203		265R	2

35R PIR 1775/1775 322319.489 -994028.863 3594548.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	322331.00	-994024.26	1A	1809		34	34	19	-1162		399R	38
BLDG	322309.32	-994033.46	1A	1783		8	8	-7	1026		398L	-9
ROAD (N)	322259.92	-994019.90	1A	1799		24	24	9	1980		760R	-12
POLE	322255.68	-994019.50	1A	1819		44	44	29	2409		793R	-1

17R C 1757/1770 322541.087 -994105.704 1794526.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	322554.77	-994100.90	1A	1778		21	8	-12	1381		418L	-14

35L C 1785/1785 322429.833 -994105.349 3594526.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	322423.66	-994108.75	1A	1794		9	9	4	623		294L	-3
BUSH	322422.76	-994101.97	1A	1796		11	11	6	716		286R	-4

OC0001

AIRPORT ELEVATION 1790

4	AV	1751/1763	322510.539	-994141.339	521535.									
OBJECT			LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK			322518.06	-994133.75	1A	1765		14	2	-25	-979		203L	9
FENCE			322507.55	-994145.80	1A	1758		7	-5	-32	487		5R	-8
BUSH			322508.11	-994146.83	1A	1765		14	2	-25	523		93L	-2
TREE			322457.85	-994153.86	1A	1778		27	15	-12	1633		357R	-45

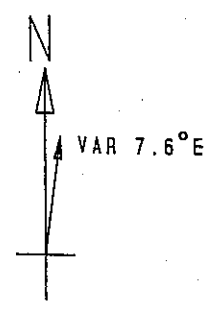
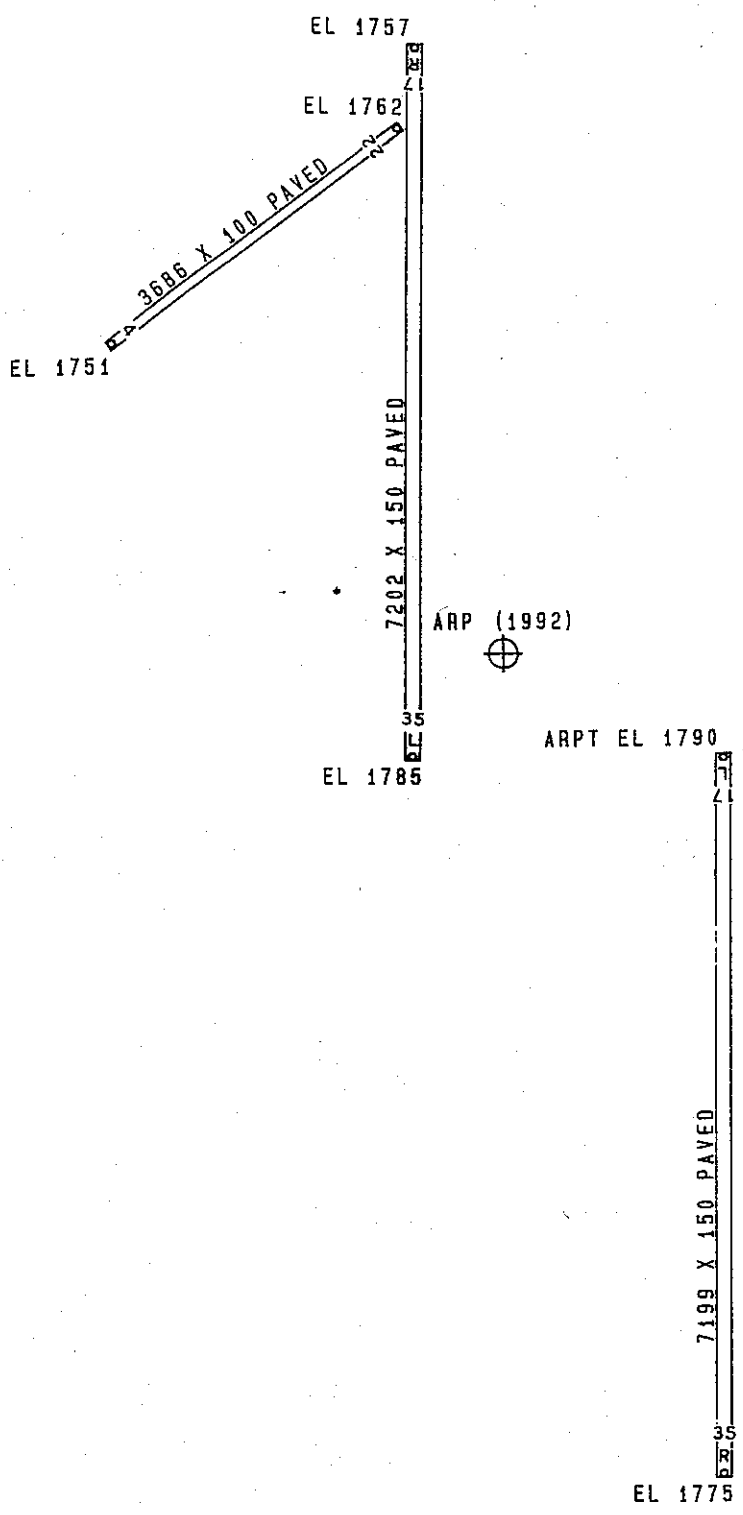
22	ANP	1762/1763	322532.859	-994107.338	2321553.									
OBJECT			LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WSK			322518.06	-994133.75	1A	1765		3	2	-25	-2706		203R	9
FENCE			322539.88	-994056.67	1A	1765		3	2	-25	1157		1R	-45
ROAD (N)			322538.22	-994051.17	1A	1780		18	17	-10	1427		419L	-43
SIGN			322545.86	-994054.57	1A	1778		16	15	-12	1670		369R	-57

OC0001

AIRPORT ELEVATION 1790

ARP 322440.765 -994054.834

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ANT AND APBN ON OL ATCT	322444.65	-994053.16	1A	1867		77	1225	418
ANT ON OL AMOM	322449.19	-994058.18	1A	1806		16	33346	898
OL ON LTD WSK	322427.65	-994048.33	1A	1817		27	14934	1438
TREE	322510.79	-994133.15	1A	1774		-16	30508	4471
OL ON LTD WSK	322523.19	-994114.88	1A	1792		2	33033	4618
TREE	322506.70	-994139.55	1A	1769		-21	29646	4643
TREE	322505.31	-994141.69	1A	1772		-18	29405	4721
ANT ON OL RTR TWR	322524.38	-994133.31	1A	1818		28	31535	5505
PIPE ON HANGAR	322536.25	-994114.42	1A	1803		13	33544	5853
WSK	322543.04	-994059.69	1A	1769		-21	34837	6307
HANGAR	322541.17	-994117.09	1A	1784		-6	33502	6395
LT POLE	322547.46	-994055.51	1A	1791		1	35154	6740
HANGAR	322546.91	-994117.22	1A	1773		-17	33623	6954
OL ON LTD WSK	322329.30	-994036.83	1A	1792		2	16020	7385
POLE	322318.65	-994019.61	1A	1810		20	15224	8831
LIGHT	322600.14	-994150.96	1A	1853		63	32127	9354
POLE	322312.23	-994019.52	1A	1815		25	15342	9446
POLE	322303.08	-994019.54	1A	1816		26	15521	10325
POLE	322259.45	-994019.34	1A	1814		24	15550	10681
ANT ON OL TWR	322443.83	-993826.69	1A	2004	201	214	8059	12703
ANT ON OL TWR	322357.09	-994328.47	1A	2050	306	260	24353	13891
ANT ON OL TWR	322650.90	-994238.14	1A	1950	218	160	31827	15853



TOUCHDOWN ZONE RUNWAY ELEVATION	
17L	1790
35R	1775
17R	1770
35L	1785
4	1763
22	1763

ABILENE REGIONAL AIRPORT
 ABILENE, TEXAS
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)