

# OBSTRUCTION DATA SHEET

**ODS 5717  
HARRY P. WILLIAMS MEMORIAL AIRPORT  
PATTERSON, LOUISIANA**

**DIGITIZED FROM**

**OC 5717  
SURVEYED APRIL 1989  
1ST EDITION**



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

## 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 Nr. 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 OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

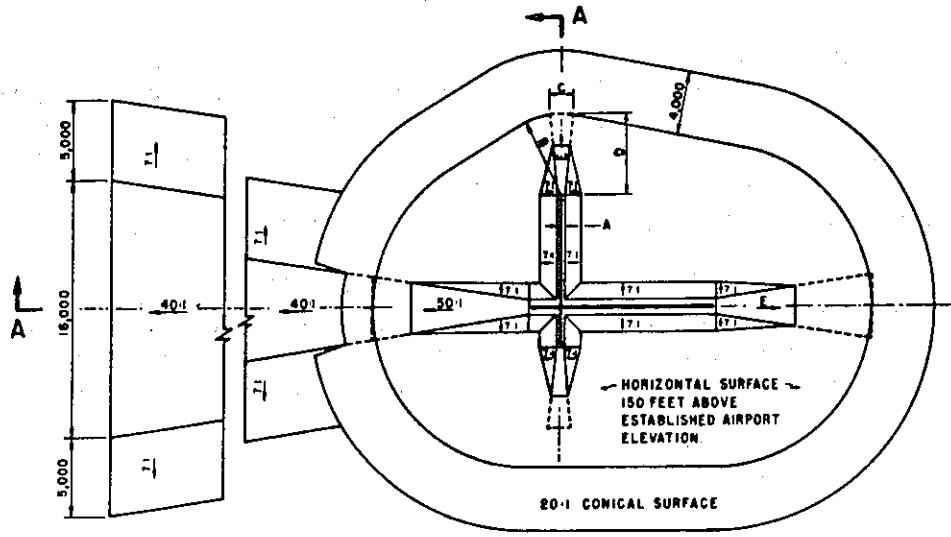
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)
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 (see footnote 2 on page 3):

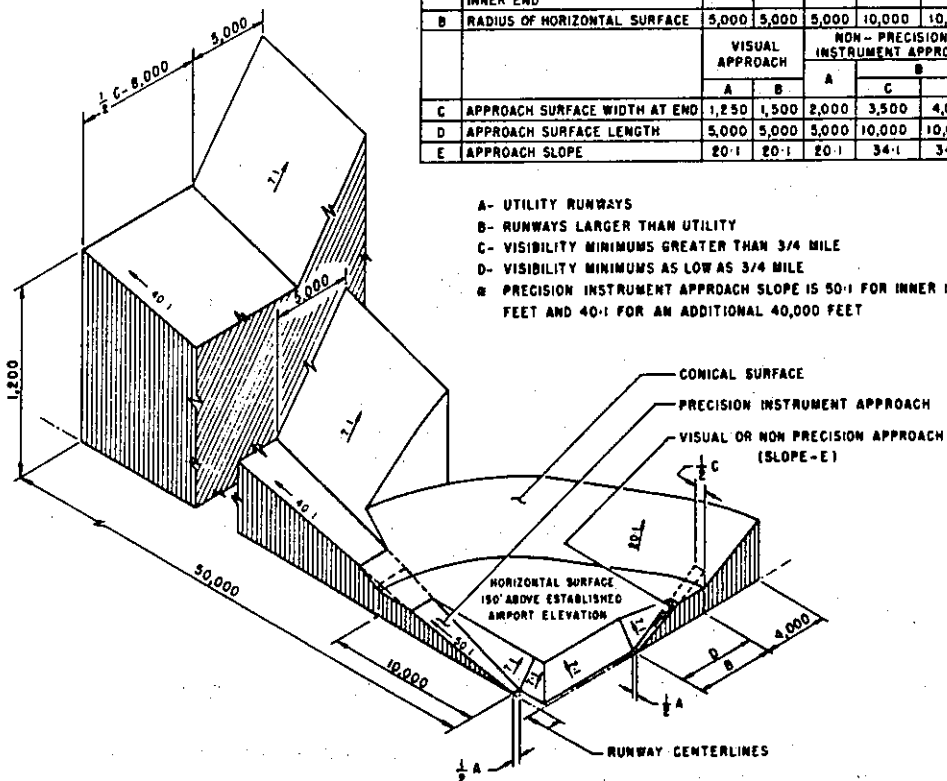
A(V) ..... Utility runway - visual approach only  
 A(NP) .... Utility runway - nonprecision instrument approach  
 B(V) ..... Nonutility runway - visual approach only  
 C ..... Nonutility runway - nonprecision instrument approach with  
 visibility minimums greater than 3/4 mile  
 D ..... Nonutility 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.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



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	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

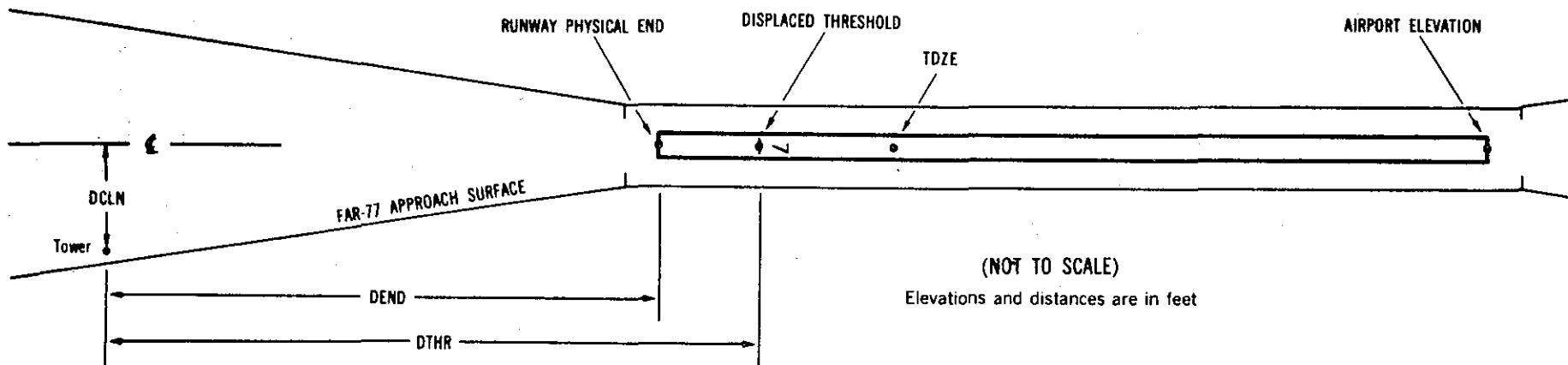
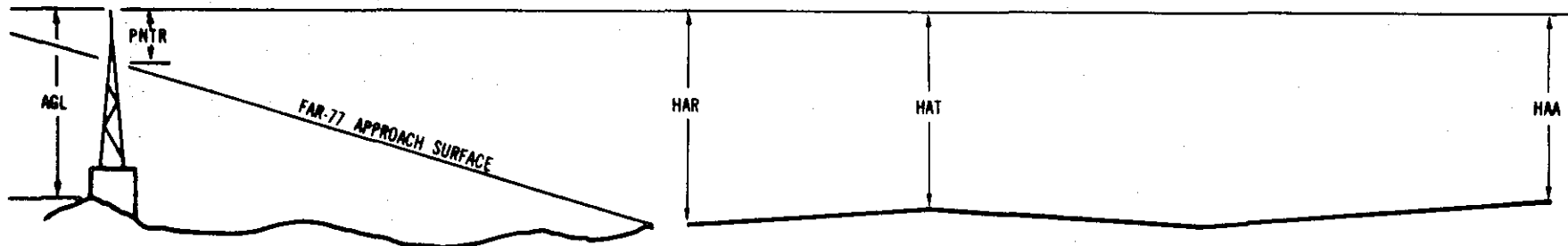
# ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

	x <sup>1</sup>	x <sup>2</sup>	XXXX/XXXX <sup>3</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXXXX.XXX <sup>4</sup>	XXXXXXXX <sup>5</sup>		XXXX/XXXX <sup>6</sup>	XXXXXX.XXX <sup>7</sup>	XXXXXXXX.XXX <sup>7</sup>		
OBJECT	LAT	LONG	A <sup>8</sup>	ELEV <sup>9</sup>	AGL <sup>10</sup>	HAR <sup>11</sup>	HAT <sup>11</sup>	HAA <sup>11</sup>	DEND <sup>12</sup>	DTHR <sup>12</sup>	DCLN <sup>12</sup>	PNTR <sup>13</sup>
XXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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## EXPLANATION OF FOOTNOTES

- <sup>1</sup> 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 area 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.
- <sup>2</sup> For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)
- <sup>3</sup> Reference runway approach physical end elevation/touchdown zone elevation
- <sup>4</sup> Latitude and longitude of reference runway approach physical end
- <sup>5</sup> Reference runway geodetic azimuth reckoned clockwise from south
- <sup>6</sup> Reference runway displaced threshold elevation/touchdown zone elevation
- <sup>7</sup> Latitude and longitude of reference runway displaced threshold
- <sup>8</sup> Accuracy Code:            Horizontal    Vertical  
                                   1 = 20            A = 2  
                                   2 = 40            B = 5  
   C = 20
- <sup>9</sup> Mean Sea Level (MSL) elevation 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.
- <sup>10</sup> Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is  $\pm 10$  feet.
- <sup>11</sup> HAA - Height above airport  
 HAR - Height above reference runway approach physical end  
 HAT - Height above reference runway touchdown zone elevation
- <sup>12</sup> DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end  
 DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway 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 object is in primary area on roll-out side of zero distance point.
- <sup>13</sup> PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

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AIRPORT ELEVATION 9

5 C 7/9 294224.495N 0912048.858W 2390544

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNT
FENCE CORNER	294254.92	0911957.27	1A	14		7	5	5	-5482		301L	5
FENCE	294252.06	0911955.98	1A	11		4	2	2	-5431		5R	2
FENCE CORNER	294250.75	0912005.25	1A	16		9	7	7	-4662		301L	7
TREE	294246.38	0912017.16	1A	71		64	62	62	-3534		461L	62
WINDSOCK ON HANGAR	294244.40	0912020.27	1A	56		49	47	47	-3196		431L	47
OL WSK ON LTD WIND TEE	294237.03	0912016.62	1A	19		12	10	10	-3090		374R	10
HANGAR	294243.30	0912022.73	1A	32		25	23	23	-2953		446L	24
HANGAR	294240.84	0912027.40	1A	33		26	24	24	-2472		445L	25
FENCE	294236.96	0912032.03	1A	15		8	6	6	-1920		319L	7
FENCE	294220.71	0912046.29	1A	11		4	2	2	2		444R	4
FENCE CORNER	294225.61	0912052.22	1A	14		7	5	5	196		249L	7
OL ON LOCALIZER	294222.11	0912053.42	1A	14		7	5	5	469		0L	-1
OL ON DME	294224.18	0912055.08	1A	28		21	19	19	487		254L	13
ROAD (N)	294220.65	0912056.20	1A	23		16	14	14	756		1R	0
POLE	294225.33	0912059.63	1A	47		40	38	38	772		560L	23
TREE	294222.55	0912059.64	1A	52		45	43	43	917		320L	24
TREE	294224.10	0912101.60	1A	83		76	74	74	984		543L	53
TREE	294221.91	0912103.75	1A	102		95	93	93	1261		450L	64
TREE	294219.25	0912104.77	1A	81		74	72	72	1476		266L	36
TREE	294217.73	0912112.66	1A	66		59	57	57	2152		492L	2
OL TRANSMISSION TOWER	294144.57	0912213.57	1A	206		199	197	197	8482		377L	-45
TOWER	294134.78	0912226.91	1A	168		161	159	159	10000		133L	-127

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AIRPORT ELEVATION 9

23 PIR 9/ 294251.951N 0911956.311W 0590611 9/9 294249.464N 09120 1.072W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE CORNER	294225.61	0912052.22	1A	14		5	5	5	-5597	-5108	249R	7
FENCE	294220.71	0912046.29	1A	11		2	2	2	-5403	-4914	444L	4
FENCE	294236.96	0912032.03	1A	15		6	6	6	-3481	-2991	319R	7
HANGAR	294240.84	0912027.40	1A	33		24	24	24	-2929	-2439	445R	25
HANGAR	294243.30	0912022.73	1A	32		23	23	23	-2448	-1958	446R	24
OL WINDSOCK ON LTD TEE	294237.03	0912016.62	1A	19		10	10	10	-2311	-1822	374L	10
WINDSOCK ON HANGAR	294244.40	0912020.27	1A	56		47	47	47	-2205	-1716	431R	47
TREE	294246.38	0912017.16	1A	71		62	62	62	-1867	-1378	461R	62
FENCE CORNER	294250.75	0912005.25	1A	16		7	7	7	-739	-250	301R	7
FENCE	294252.06	0911955.98	1A	11		2	2	2	31	520	5L	2
FENCE CORNER	294254.92	0911957.27	1A	14		5	5	5	81	571	301R	5
POLE	294300.25	0911948.00	1A	37		28	28	28	1060	1549	343R	11
POLE	294301.00	0911948.34	1A	44		35	35	35	1073	1562	423R	18
TREE	294321.73	0911910.91	1A	96		87	87	87	4980	5469	526R	-9

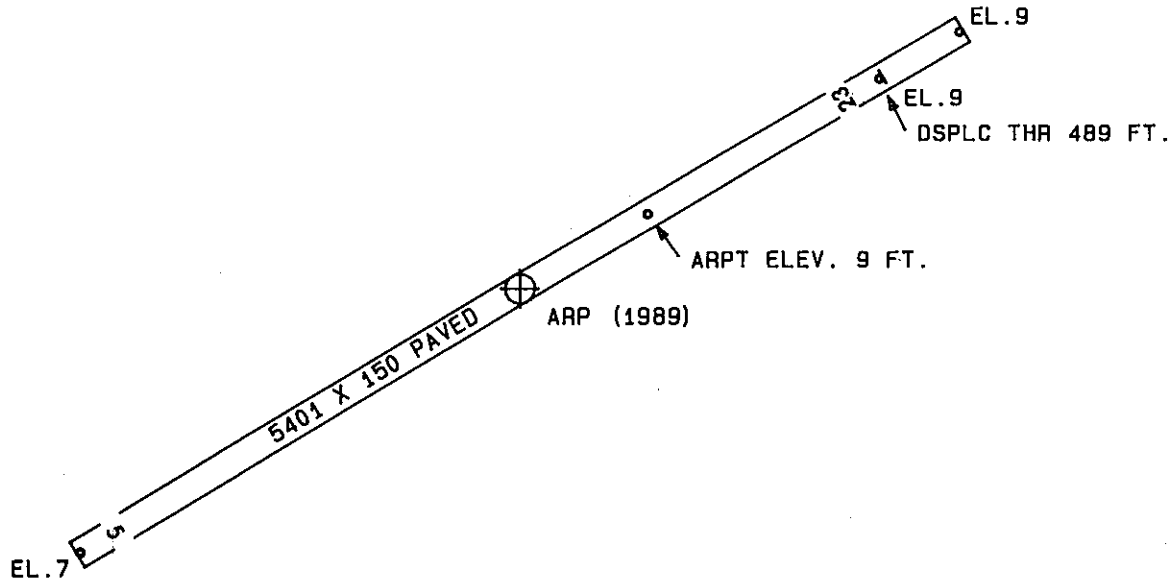
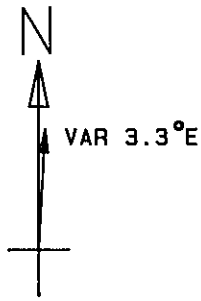
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AIRPORT ELEVATION 9

ARP 294238.224N 0912022.586W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL FLOODLIGHT POLE	294231.91	0912022.95	1A	44		35	179 34	639
OL FLOODLIGHT POLE	294231.17	0912024.34	1A	44		35	188 59	729
ROD ON AIRPORT BEACON	294245.86	0912022.02	1A	89		80	0 25	773
ANTENNA ON OL RTR	294241.50	0912031.25	1A	70		61	290 9	833
POLE	294251.15	0912013.29	1A	67		58	28 48	1542
POLE	294252.68	0912010.37	1A	66		57	33 6	1815
ANTENNA ON HANGAR	294243.38	0912000.29	1A	42		33	71 51	2034
OL RADIO MAST	294256.25	0912007.62	1A	156		147	32 38	2249
FENCE CORNER	294247.18	0911953.79	1A	12		3	67 5	2696
POLE	294227.82	0912055.56	1A	43		34	246 50	3092
TREE	294228.05	0912056.79	1A	74		65	247 53	3187
TREE	294225.39	0912101.33	1A	66		57	245 55	3654
TREE	294305.70	0911952.30	1A	66		57	40 35	3852
TREE	294309.40	0911943.51	1A	67		58	44 17	4668
TREE	294314.65	0911935.78	1A	85		76	44 59	5530
TREE	294314.05	0911935.07	1A	77		68	45 52	5537
OL STANDPIPE	294133.92	0912045.22	1B	142		133	193 47	6795
OL TOWER	294237.38	0912201.81	1B	149		140	266 9	8751
OL ON WATER TANK	294145.38	0911831.44	1B	156		147	115 16	11161
OL ON WATER TANK	294205.77	0912238.05	1B	166		157	251 22	12388
ANTENNA ON OL MICROWAVE T	294251.78	0911802.43	1A	307	297	298	80 22	12436
OL TRANSMISSION TOWER	294152.24	0912239.25	2C	205		196	245 38	12917
TOWER	294126.60	0912229.48	2C	170		161	233 50	13326
OL RADIO TOWER	294237.32	0911731.98	2A	307	303	298	87 2	15045





TOUCHDOWN ZONE  
RUNWAY ELEVATION

5	9
23	9

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PATTERSON, LOUISIANA  
(NOT TO SCALE)