

OBSTRUCTION DATA SHEET

ODS 5248
MERCEDITA AIRPORT
PONCE, PUERTO RICO

DIGITIZED FROM

OC 5248
SURVEYED FEBRUARY 1993
6TH EDITION

HORIZONTAL DATUM NAD 83
VERTICAL DATUM MEAN SEA LEVEL



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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.

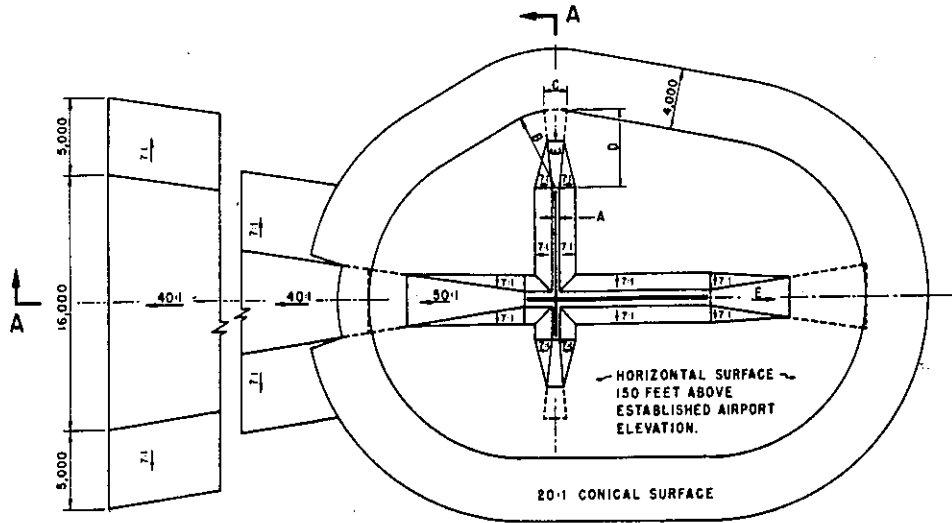
ODS information is arranged as follows:

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:

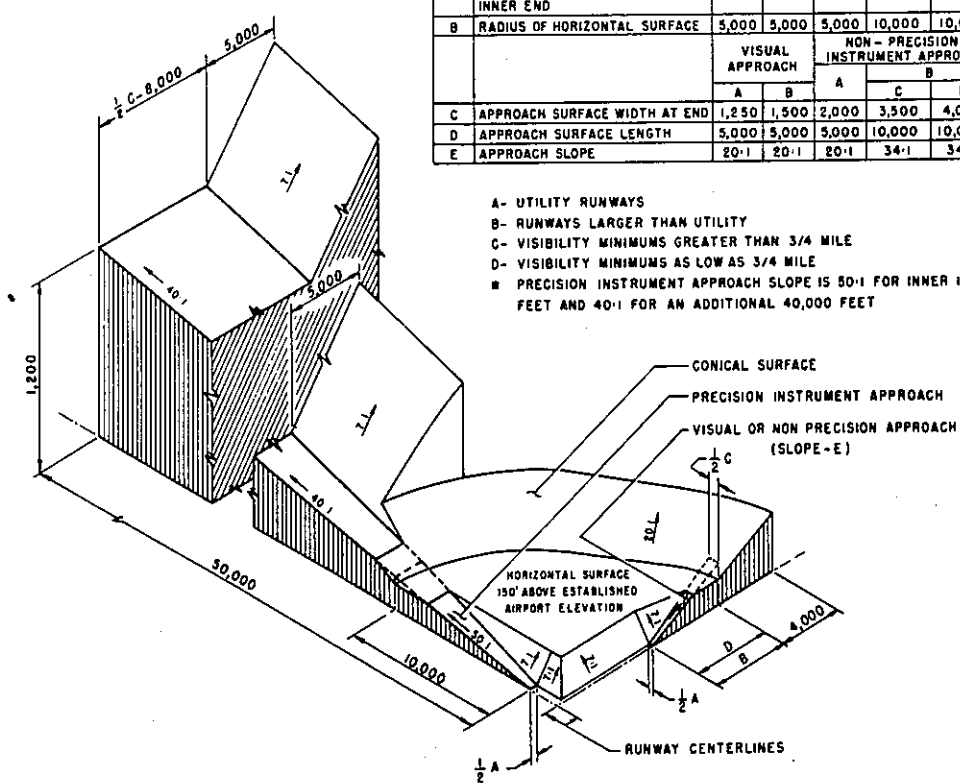
- A(V) Utility runway - visual approach only
- A(NP) ... Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway - nonprecision instrument 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	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	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 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

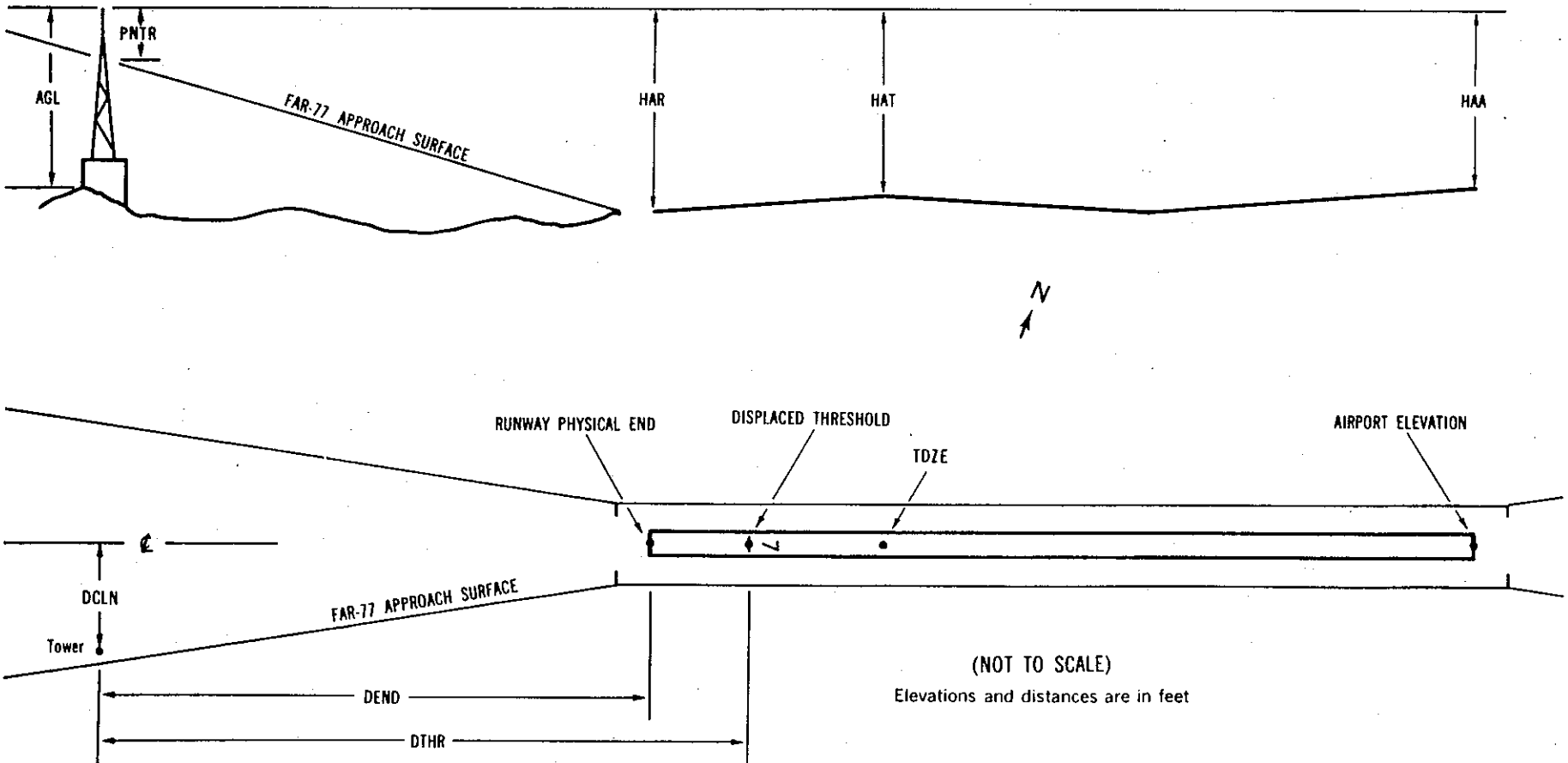
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X ¹	X ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXX.XXX ⁴	XXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXX.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
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX



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).

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AIRPORT ELEVATION 29

12	SUPLC	29/	180040.421	-663420.874	1075517.	27/	29	180038.014	-663413.096					
OBJECT			LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE			180019.78	-663321.67	1A	31		2	2	2	-6077	-5288	223R	5
BUSH			180037.96	-663421.33	1A	37		8	8	8	-35	754	250R	8
OL ON POLE			180040.16	-663431.98	1A	74		45	45	45	1011	1800	355R	21
OL ON POLE			180042.01	-663433.90	1A	76		47	47	47	1246	2035	234R	16
OL ON POLE			180046.92	-663432.26	1A	87		58	58	58	1247	2036	286L	27
OL ON POLE			180100.47	-663501.78	1A	286		257	257	257	4378	5167	709L	134
OL ON POLE			180057.58	-663504.72	1A	229		200	200	200	4559	5348	345L	72
TREE			180051.39	-663507.21	1A	164		135	135	135	4595	5384	324R	6
POLE			180102.09	-663516.91	1A	305		276	276	276	5818	6607	416L	111
TRMSN TWR			180059.62	-663518.22	1A	300		271	271	271	5862	6651	140L	105
TRMSN POLE			180054.97	-663525.06	1A	197		168	168	168	6346	7135	509R	-13

30	C	27/	27	180019.356	-663312.812	2875538.									
OBJECT				LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH				180037.96	-663421.33	1A	37		10	10	8	-6869		250L	8
FENCE				180019.78	-663321.67	1A	31		4	4	2	-827		223L	5
TREE				180015.73	-663310.07	1A	56		29	29	27	364		267L	24
POLE				180010.16	-663258.17	1A	86		59	59	57	1630		447L	17
TREE				180007.35	-663249.02	1A	93		66	66	64	2558		445L	-4

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AIRPORT ELEVATION 29

ARP 180029.890 -663346.843

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON POLE	180024.51	-663343.81	1A	76		47	16256	617
OL ANT	180026.45	-663354.26	1A	114		85	25526	796
ANT ON OL BLDG	180034.35	-663339.05	1A	109		80	7026	876
OL ON LT	180039.27	-663351.14	1A	101		72	34737	1033
OL ON APBN	180037.91	-663339.53	1A	102		73	5224	1074
POLE	180029.29	-663358.42	1A	76		47	27813	1119
ROD ON POLE	180040.01	-663359.35	1A	67		38	32131	1581
POLE	180030.80	-663403.42	1A	75		46	28435	1603
OL ON POLE	180020.26	-663331.58	1A	76		47	13442	1764
OL ON LTD WSK	180041.00	-663402.58	1A	60		31	31742	1887
OL ON LT	180042.74	-663401.28	1A	106		77	32413	1903
TREE	180033.21	-663408.22	1A	35		6	29031	2090
POLE	180032.48	-663410.77	1A	71		42	28745	2324
FENCE	180018.07	-663317.62	1A	32		3	12413	3062
OL ON POLE	180016.19	-663316.35	1A	81		52	12627	3251
LT POLE	180045.56	-663418.05	1A	77		48	30859	3401
POLE	180045.20	-663420.29	1A	77		48	30652	3578
OL LT	180036.12	-663423.39	1A	64		35	29124	3583
POLE	180014.91	-663312.96	1A	87		58	12605	3602
POLE	180015.81	-663312.19	1A	62		33	12418	3633
ROD ON STACK	180107.04	-663351.81	1A	297	212	268	400	3778
POLE	180013.93	-663311.15	1A	88		59	12621	3802
POLE	180038.08	-663427.50	1A	68		39	29311	4010
POLE	180012.44	-663305.76	1A	82		53	12514	4338
TREE	180112.85	-663357.99	1A	224		195	35721	4465
OL ON POLE	180047.59	-663429.55	1A	87		58	30443	4492
ROD ON POLE	180011.57	-663302.23	1A	80		51	12431	4685
TREE	180120.87	-663343.53	1B	227		198	1451	5153
TREE	180136.95	-663341.46	1A	318		289	1541	6784
POLE	180102.12	-663500.71	1A	322		293	30549	7835
POLE	180104.05	-663459.93	1A	353		324	30720	7850

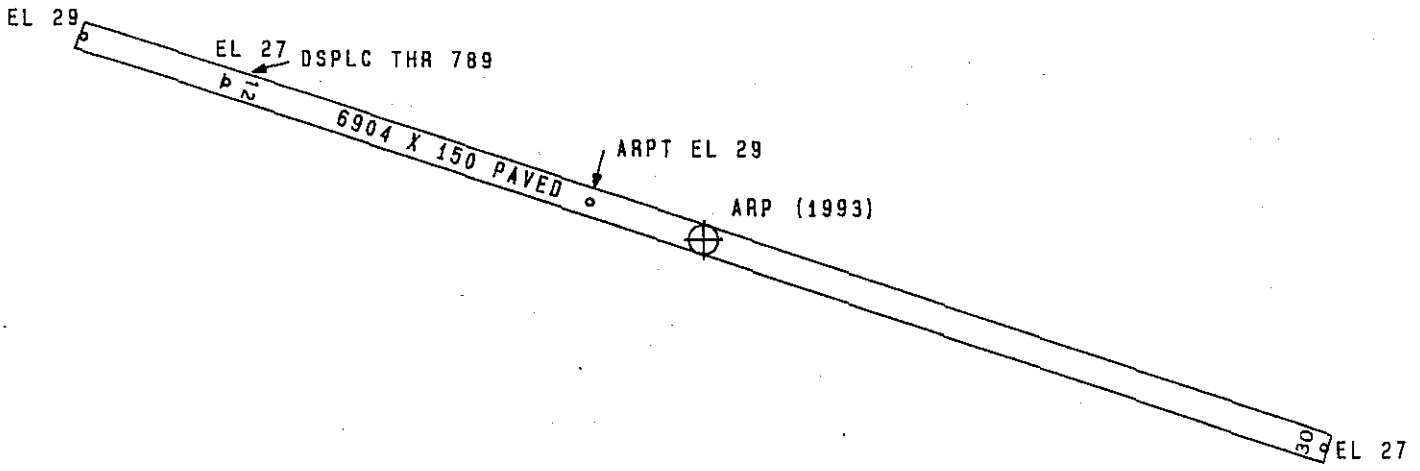
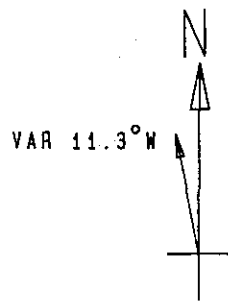
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AIRPORT ELEVATION 29

ARP 180029.890 -663346.843

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	180138.79	-663304.90	1B	201		172	4130	8043
BUSH	180115.74	-663455.94	1A	431		402	31602	8116
ANT ON OL BLDG	180109.54	-663501.79	1A	440		411	31014	8265
TREE	180140.46	-663431.13	1A	413		384	34019	8303
BUSH	180154.85	-663357.91	1A	419		390	411	8636
TRMSN POLE	180127.32	-663454.51	1A	401		372	32252	8729
STACK	175946.00	-663223.83	1A	206		177	13013	9154
POLE	180204.75	-663317.54	1A	396		367	2745	9977
TRMSN POLE	180117.26	-663519.79	1A	431		402	30920	10164
TRMSN POLE	180140.81	-663503.68	1A	471		442	32516	10303
TANK	180223.34	-663340.63	1A	483		454	1418	11459
TREE	180227.18	-663328.74	1A	485		456	1942	11960
ANT	180224.55	-663421.35	1A	477		448	35514	12035
OL ON TANK	180220.11	-663436.78	1A	523		494	34752	12117
ANT ON OL BLDG	180047.90	-663551.83	1A	219		190	28952	12198
ANT ON OL BLDG	180045.61	-663552.73	1A	219		190	28844	12253
OL ON TANK	180200.96	-663535.71	1A	265		236	32228	13956



TOUCHDOWN ZONE	
RUNWAY ELEVATION	
12	29
30	27

MERCEDITA AIRPORT
 PONCE, PUERTO RICO
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)