OBSTRUCTION DATA SHEET

ODS 5709
HILTON HEAD AIRPORT
HILTON HEAD ISLAND, SOUTH CAROLINA

DIGITIZED FROM

OC 5709
SURVEYED FEBURARY 1993
5TH 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).

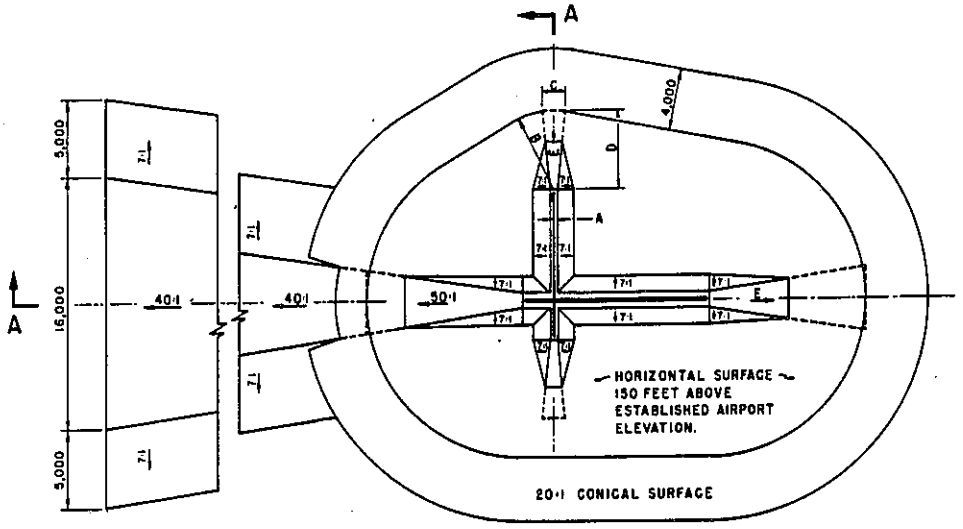
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

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:

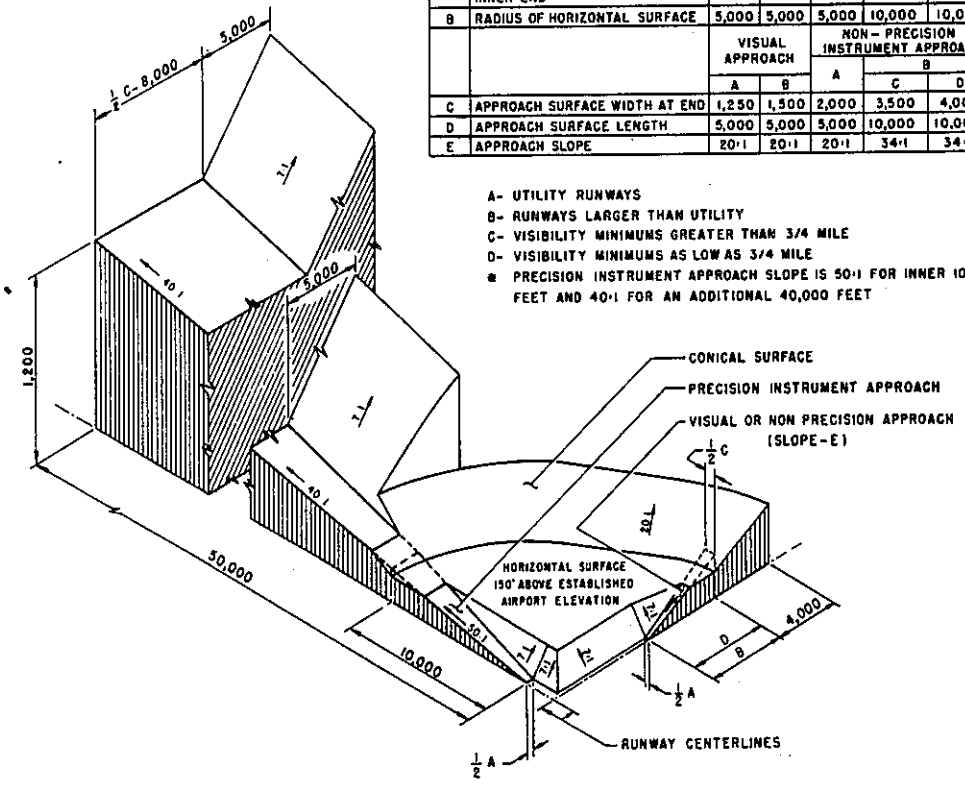
A(V) .... Utility runway - visual approach only
A(NP) ... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D ..... Nonutility runway - nonprecision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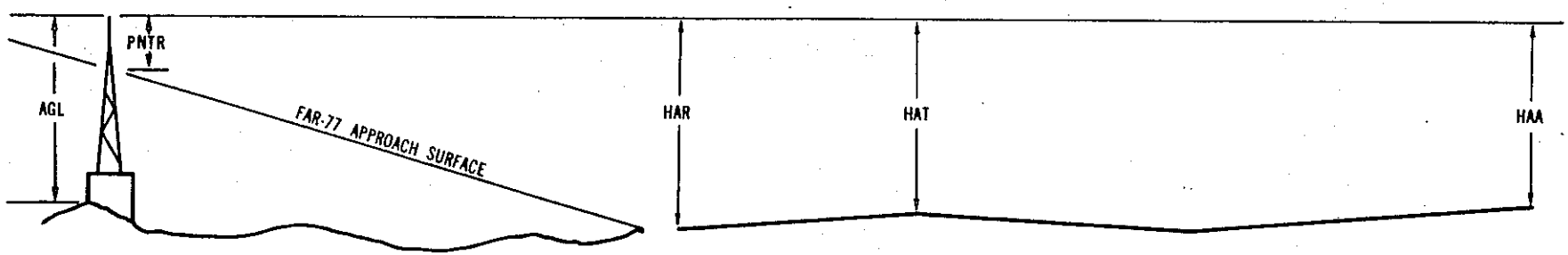
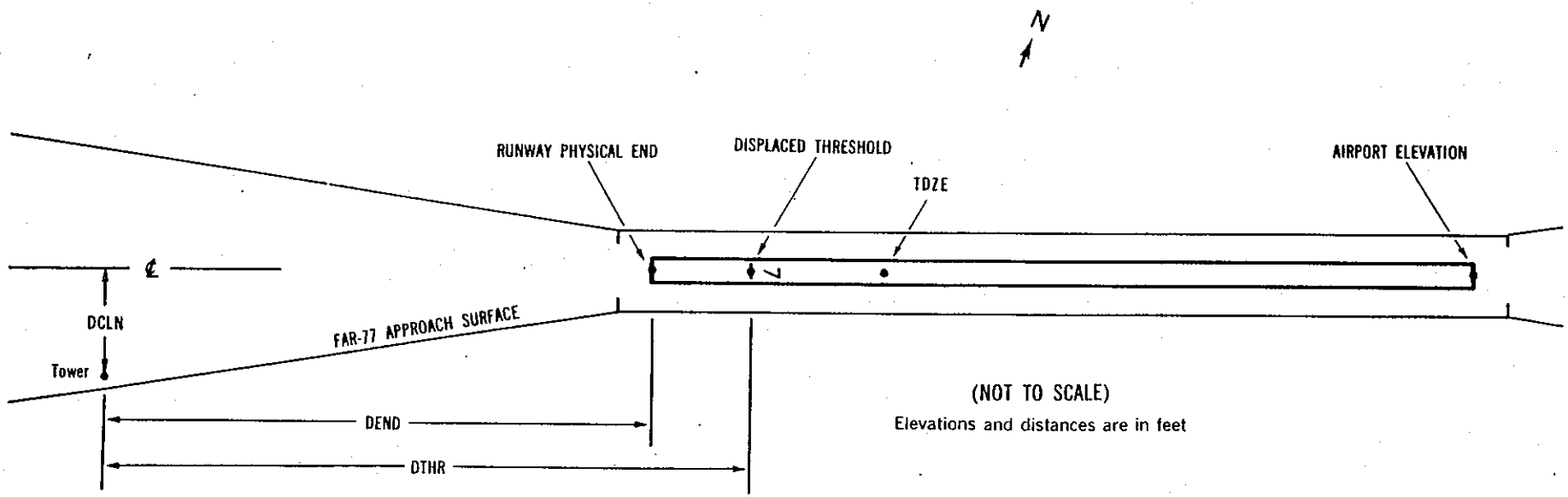




(NOT TO SCALE)

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 <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).

OC5709

AIRPORT ELEVATION 20

3 ANP 20/ 321308.605 -804201.917 260305. 20/ 20 321311.272 -804200.384

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	321348.84	-804141.58	1A	15		-5	-5	-5	-4421	-4121	217L	2
ELEC EQUIP	321347.31	-804140.97	1A	16		-4	-4	-4	-4305	-4005	101L	3
BUSH	321345.23	-804139.42	1A	21		1	1	1	-4174	-3874	110R	7
GROUND	321345.03	-804143.50	1A	14		-6	-6	-6	-4002	-3702	195L	0
GROUND	321341.18	-804145.92	1A	16		-4	-4	-4	-3561	-3261	211L	1
OL ON DME	321303.37	-804201.28	1A	37		17	17	17	451	751	282R	5
TREE	321305.44	-804207.41	1A	68		48	48	48	495	795	283L	34
OL ON LOC	321303.25	-804205.00	1A	27		7	7	7	603	903	0R	-13
TREE	321302.83	-804209.43	1A	81		61	61	61	808	1108	324L	31
TREE	321258.99	-804203.13	1A	86		66	66	66	918	1218	333R	30
TREE	321300.40	-804210.53	1A	86		66	66	66	1070	1370	300L	23
TREE	321255.73	-804205.05	1A	99		79	79	79	1287	1587	330R	25
TREE	321256.93	-804211.49	1A	91		71	71	71	1421	1721	221L	10
TREE	321253.41	-804208.62	1A	95		75	75	75	1633	1933	157R	4
TREE	321250.88	-804210.39	1A	100		80	80	80	1929	2229	133R	-6

21 ANP 13/ 321346.827 -804139.935 2060317. 14/ 19 321344.162 -804141.468

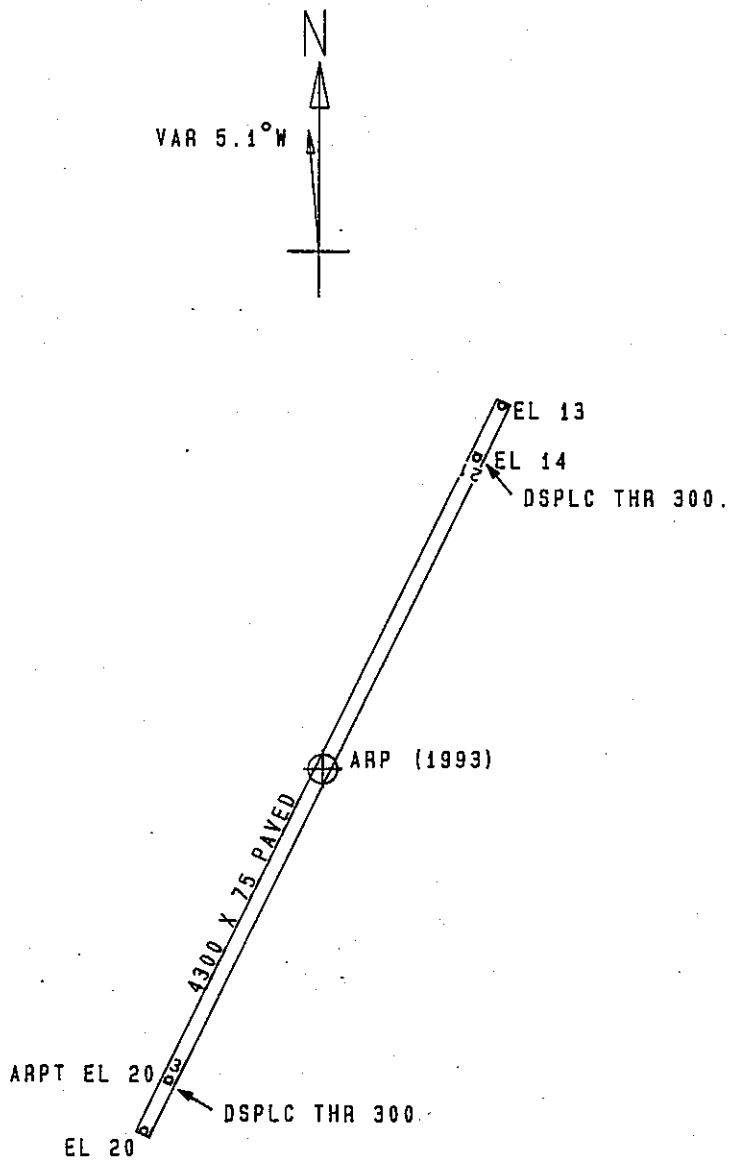
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	321341.18	-804145.92	1A	16		3	-3	-4	-739	-439	211R	1
GROUND	321345.03	-804143.50	1A	14		1	-5	-6	-298	2	195R	0
BUSH	321345.23	-804139.42	1A	21		8	2	1	-126	174	110L	7
ELEC EQUIP	321347.31	-804140.97	1A	16		3	-3	-4	5	305	101R	3
GROUND	321348.84	-804141.58	1A	15		2	-4	-5	121	421	217R	2
GROUND	321349.75	-804140.49	1A	16		3	-3	-4	244	544	172R	1
TREE	321352.05	-804133.10	1A	61		48	42	41	732	1032	296L	21
TREE	321354.79	-804139.38	1A	67		54	48	47	744	1044	311R	27
TREE	321354.36	-804134.00	1A	45		32	26	25	908	1208	123L	-3
TREE	321358.82	-804137.37	1A	88		75	69	68	1186	1486	335R	26
TREE	321358.67	-804131.40	1A	78		65	59	58	1397	1697	133L	5
TREE	321401.49	-804130.99	1A	83		70	64	63	1669	1968	39L	-3

OC5709

AIRPORT ELEVATION 20

ARP 321327.716 -804150.927

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL AMOM	321329.68	-804153.28	1A	50		30	31935	284
TREE	321325.99	-804157.22	1A	103		83	25715	568
TREE	321329.07	-804144.02	1A	83		63	8203	609
TREE	321326.08	-804143.12	1A	84		64	10859	691
ROD ON OL APBN	321321.15	-804147.55	1A	78		58	16128	724
TREE	321332.91	-804143.21	1A	85		65	5643	845
AMOM ON BLDG	321319.03	-804149.00	1A	66		46	17426	893
BLDG	321316.21	-804153.94	1A	34		14	19739	1191
TREE	321341.83	-804147.83	1A	87		67	1540	1451
TREE	321340.17	-804139.08	1A	75		55	4403	1618
TREE	321311.33	-804153.61	1A	90		70	19301	1672
OL ON LTD WSK	321308.94	-804158.24	1A	43		23	20324	1999
ANT	321310.39	-804204.24	1A	42		22	21814	2092
TREE	321307.92	-804158.40	1A	70		50	20254	2101
TREE	321309.80	-804205.84	1A	111		91	22023	2218
TREE	321345.80	-804136.26	1A	79		59	3941	2220
TREE	321349.17	-804142.95	1A	91		71	2238	2274
TREE	321306.30	-804159.11	1A	84		64	20305	2276
TREE	321307.96	-804206.68	1A	81		61	21914	2412
TREE	321350.88	-804141.76	1A	86		66	2341	2470
TREE	321347.96	-804134.22	1A	97		77	4008	2499
TREE	321351.58	-804142.68	1A	106		86	2128	2514
TREE	321303.89	-804200.32	1A	87		67	20337	2539
ANT ON OL TANK	321309.95	-804127.53	1B	164		144	13651	2695
TREE	321353.55	-804140.71	1A	100		80	2341	2755
TREE	321350.56	-804132.55	1A	92		72	3927	2797
TREE	321259.85	-804201.85	1A	94		74	20332	2969
TREE	321302.15	-804210.96	1A	94		74	21845	3105



TOUCHDOWN ZONE RUNWAY	ELEVATION
3	20
21	19

HILTON HEAD AIRPORT

HILTON HEAD ISLAND, SOUTH CAROLINA

(NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)