

OBSTRUCTION DATA SHEET

ODS 5239
MOORE COUNTY AIRPORT
SOUTHERN PINES, NORTH CAROLINA

DIGITIZED FROM

OC 5239
SURVEYED APRIL 1993
7TH 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.

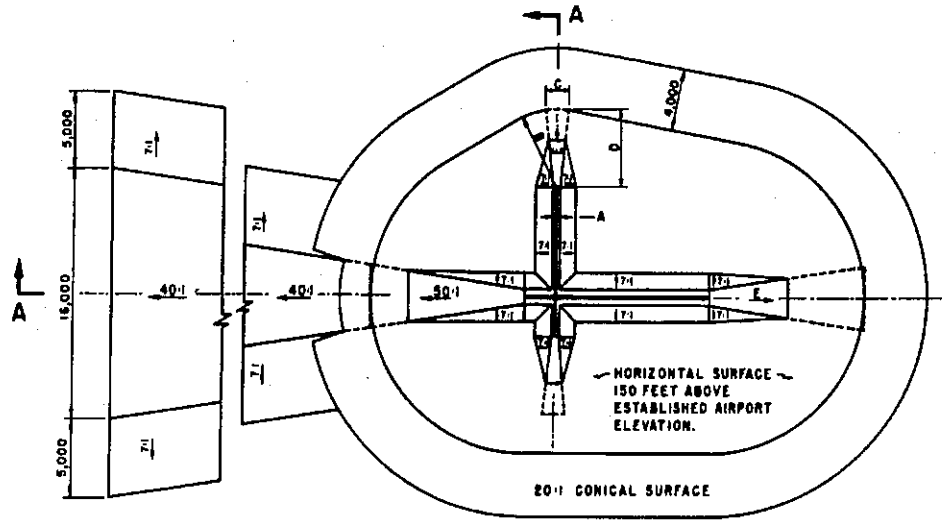
ODS information is arranged as follows:

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.

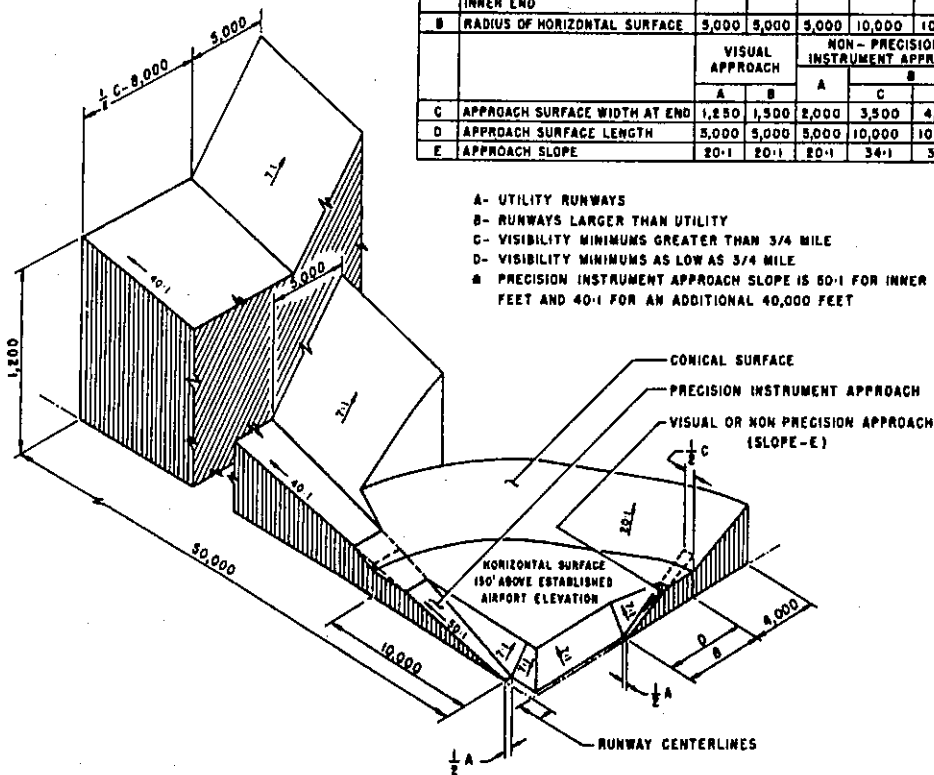
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

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	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	C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	10,000
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

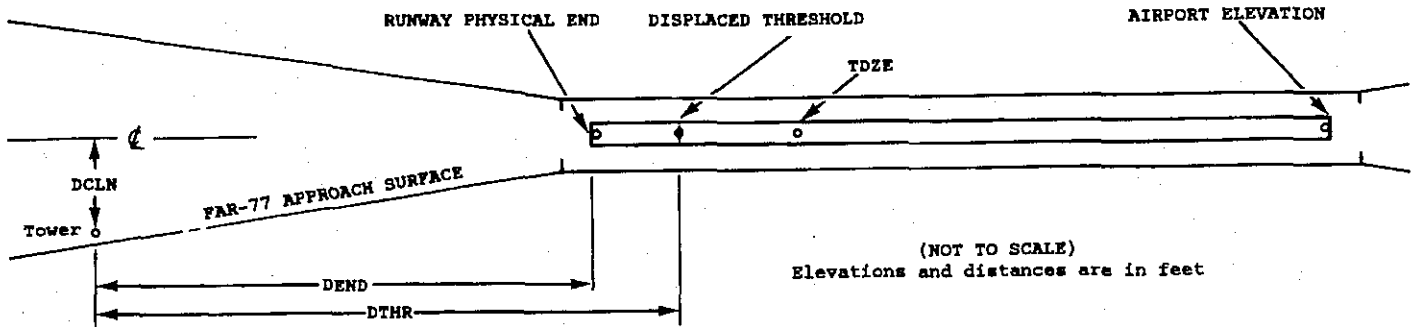
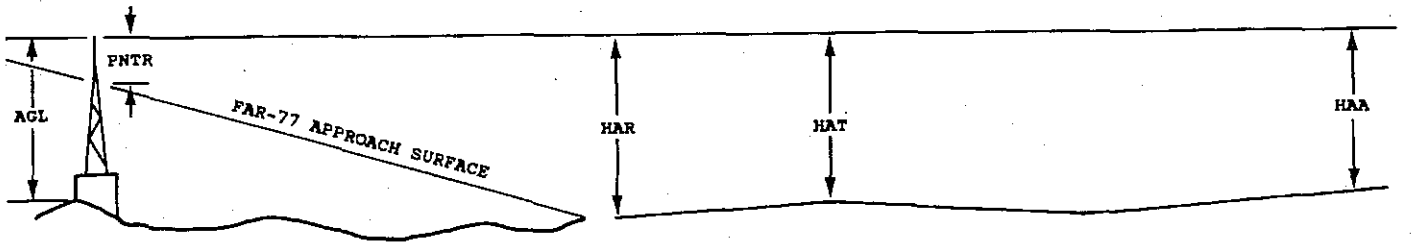
**FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES**

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

	1	2	3	4	4	5	6	7	7					
	X	X	XXXX/XXXX	XXXXXX.XXX	XXXXXX.XXX	XXXXXX	XXXX/XXXX	XXXXXX.XXX	XXXXXX.XXX					
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	XXXX
XXXXXXXXXXXX		XXXXXX.XXX		XXXXXX.XXX		XX XXXX XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	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 461

14 AV 459/ 461 351419.220 -792359.849 1374000.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	351358.83	-792338.56	1A	454		-5	-7	-7	-2713		83R	2
SIGN	351359.91	-792337.19	1A	453		-6	-8	-8	-2709		75L	1
SIGN	351401.00	-792341.07	1A	452		-7	-9	-9	-2410		88R	2
SIGN	351404.22	-792342.04	1A	448		-11	-13	-13	-2116		71L	2
TREE	351414.65	-792352.74	1A	468		9	7	7	-738		125L	13
TREE	351422.22	-792404.94	1A	478		19	17	17	509		107R	-7
TREE	351425.44	-792404.52	1A	497		38	36	36	725		137L	2
TREE	351427.17	-792409.60	1A	513		54	52	52	1139		57R	-3
TREE	351431.75	-792412.97	1A	521		62	60	60	1670		49L	-22

32 AV 449/ 461 351356.556 -792334.686 3174014.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	351414.65	-792352.74	1A	468		19	7	7	-2361		125R	13
SIGN	351404.22	-792342.04	1A	448		-1	-13	-13	-983		71R	2
SIGN	351401.00	-792341.07	1A	452		3	-9	-9	-689		88L	2
SIGN	351359.91	-792337.19	1A	453		4	-8	-8	-390		75R	1
SIGN	351358.83	-792338.56	1A	454		5	-7	-7	-386		83L	2
TREE	351354.22	-792330.12	1A	475		26	14	14	429		121R	5
TREE	351352.07	-792330.69	1A	482		33	21	21	559		60L	5
TREE	351350.30	-792326.94	1A	496		47	35	35	900		49R	2
TREE	351348.15	-792328.73	1A	500		51	39	39	961		207L	3
TREE	351343.46	-792323.26	1A	519		70	58	58	1617		191L	-11

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AIRPORT ELEVATION 461

5 D 455/ 455 351356.579 -792343.616 461400.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	351437.54	-792257.22	1A	435		-20	-20	-26	-5643		329L	4
GROUND	351433.44	-792252.63	1A	432		-23	-23	-29	-5631		234R	1
GROUND	351425.99	-792300.00	1A	442		-13	-13	-19	-4670		355R	14
OL WSK	351359.48	-792333.62	1A	484		29	29	23	-802		362R	34
SIGN	351404.22	-792342.04	1A	448		-7	-7	-13	-629		467L	-3
SIGN	351359.91	-792337.19	1A	453		-2	-2	-8	-618		126R	2
SIGN	351401.00	-792341.07	1A	452		-3	-3	-9	-462		177L	0
SIGN	351358.83	-792338.56	1A	454		-1	-1	-7	-460		126R	2
PIPE	351358.10	-792349.20	1A	463		8	8	2	228		432L	7
FENCE	351356.05	-792350.97	1A	464		9	9	3	477		384L	0
ANT	351355.05	-792352.81	1A	482		27	27	21	657		416L	13
TREE	351355.32	-792353.85	1A	483		28	28	22	701		495L	13
TREE	351336.66	-792356.41	1A	528		73	73	67	2160		720R	15
TREE	351337.10	-792402.26	1A	537		82	82	76	2479		352R	15
TREE	351340.76	-792411.13	1A	541		86	86	80	2755		424L	10

23 C 431/ 443 351434.224 -792255.706 2261428.

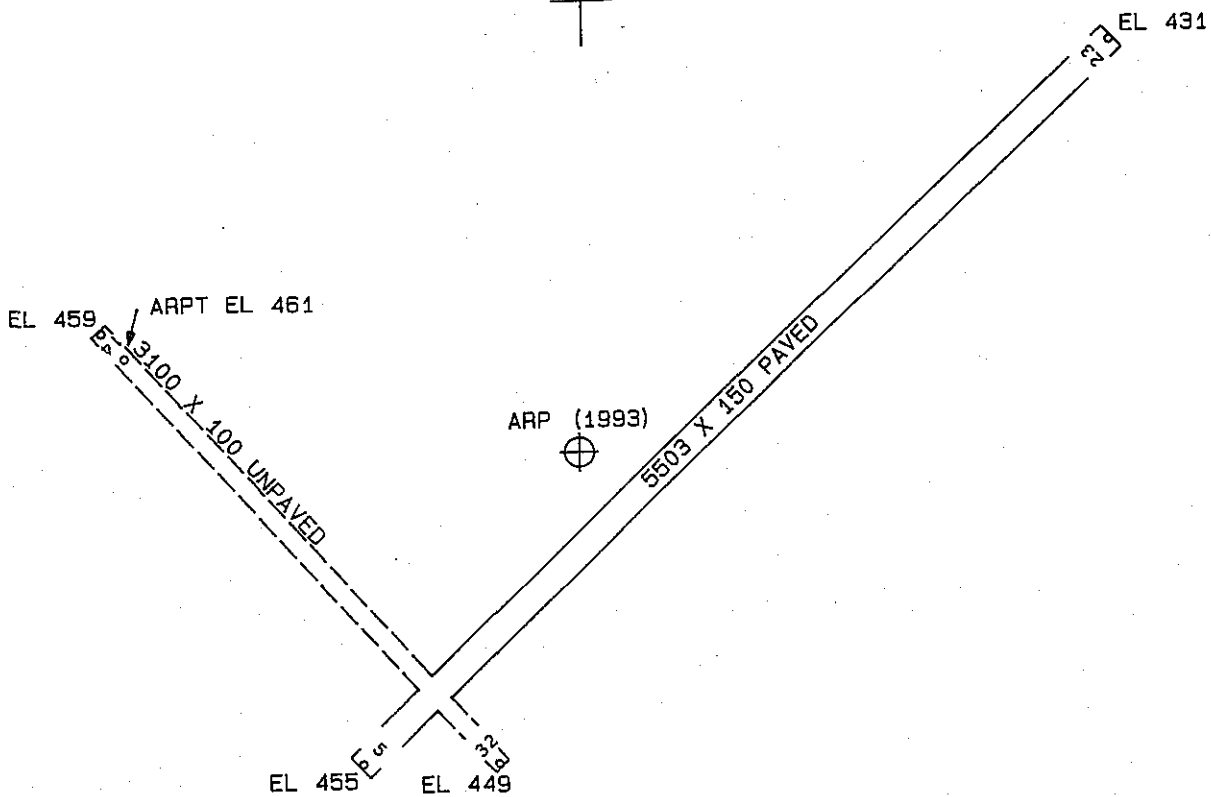
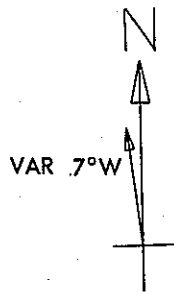
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	351358.83	-792338.56	1A	454		23	11	-7	-5042		126L	2
SIGN	351401.00	-792341.07	1A	452		21	9	-9	-5040		177R	0
SIGN	351359.91	-792337.19	1A	453		22	10	-8	-4885		126L	2
SIGN	351404.22	-792342.04	1A	448		17	5	-13	-4873		467R	-3
OL WSK	351359.48	-792333.62	1A	484		53	41	23	-4700		362L	34
GROUND	351425.99	-792300.00	1A	442		11	-1	-19	-832		355L	14
GROUND	351433.44	-792252.63	1A	432		1	-11	-29	129		234L	1
GROUND	351437.54	-792257.22	1A	435		4	-8	-26	141		329R	4
GROUND	351434.84	-792248.94	1A	443		12	0	-18	449		343L	4
OL ON LOC	351438.69	-792250.02	1A	443		12	0	-18	653		OR	-2
TREE	351435.13	-792245.69	1A	467		36	24	6	663		509L	22
ANT ON BLDG	351437.82	-792246.76	1A	448		17	5	-13	787		250L	-1
TREE	351442.99	-792251.28	1A	479		48	36	18	878		386R	28
TREE	351440.25	-792245.63	1A	463		32	20	2	1025		138L	7
TREE	351442.86	-792248.55	1A	471		40	28	10	1033		220R	15
TREE	351439.54	-792239.35	1A	475		44	32	14	1352		550L	10
TREE	351449.75	-792243.34	1A	475		44	32	14	1826		425R	-4

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AIRPORT ELEVATION 461

ARP 351412.695 -792329.609

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ROD ON OL AMOM	351413.50	-792331.67	1A	476		15	30223	189
TREE	351417.42	-792330.99	1A	480		19	35329	491
TREE	351405.59	-792316.37	1A	510		49	13012	1312
TREE	351359.44	-792327.36	1A	495		34	17903	1353
TREE	351408.43	-792345.16	1A	459		-2	25830	1360
TREE	351424.67	-792319.30	1A	466		5	4214	1482
TREE	351415.30	-792351.05	1A	489		28	28524	1798
TREE	351354.73	-792328.08	1A	491		30	18300	1820
TREE	351414.53	-792306.60	1A	494		33	9126	1918
TREE	351353.24	-792333.81	1A	470		9	19702	1997
ANT ON OL APBN	351401.91	-792352.39	1A	514		53	24701	2181
BUSH	351418.76	-792356.94	1A	471		10	29208	2348
TREE	351349.84	-792339.17	1A	493		32	20557	2443
TREE	351349.98	-792342.00	1A	472		11	21106	2516
TREE	351416.29	-792400.02	1A	484		23	28511	2548
TREE	351420.79	-792358.89	1A	472		11	29537	2563
TREE	351421.26	-792257.70	1A	502		41	7853	2785
TREE	351424.13	-792400.37	1A	506		45	30122	2801
TREE	351354.71	-792357.67	1A	491		30	23900	2954
TREE	351434.96	-792306.52	1A	457		-4	4722	2955
TREE	351421.33	-792405.22	1A	485		24	29328	3080
TREE	351426.30	-792404.04	1A	499		38	30242	3170
TREE	351421.94	-792406.78	1A	503		42	29351	3221
TREE	351425.32	-792251.78	1A	505		44	7451	3387
TREE	351439.02	-792258.36	1A	469		8	5114	3715
TREE	351433.62	-792244.84	1A	485		24	6719	4273
TREE	351449.20	-792250.54	1A	493		32	4816	4912



TOUCHDOWN ZONE RUNWAY ELEVATION	
14	461
32	461
5	455
23	443

MOORE COUNTY AIRPORT
 SOUTHERN PINES, NORTH CAROLINA
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)