

# OBSTRUCTION DATA SHEET

**ODS 5720  
TROY MUNICIPAL AIRPORT  
TROY, ALABAMA**

**DIGITIZED FROM**

**OC 5720  
SURVEYED NOVEMBER 1989  
5TH EDITION**



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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 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:

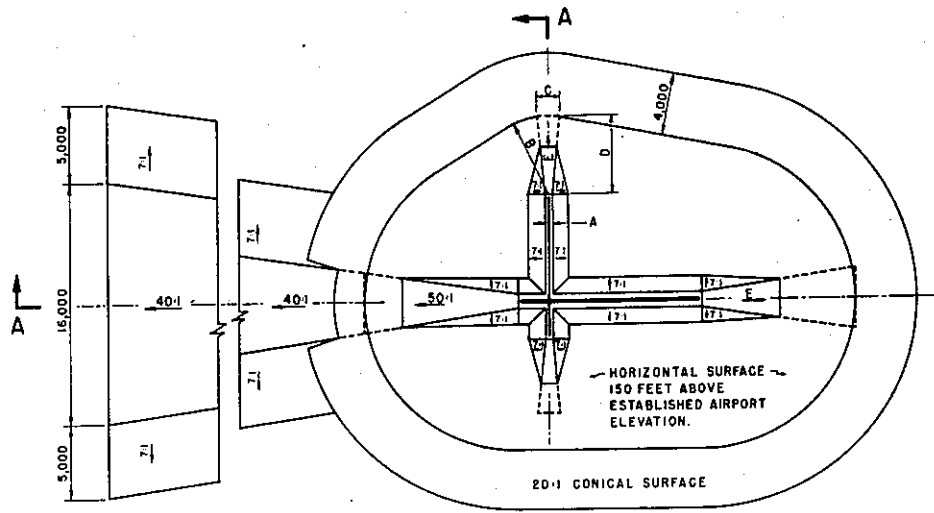
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the 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)

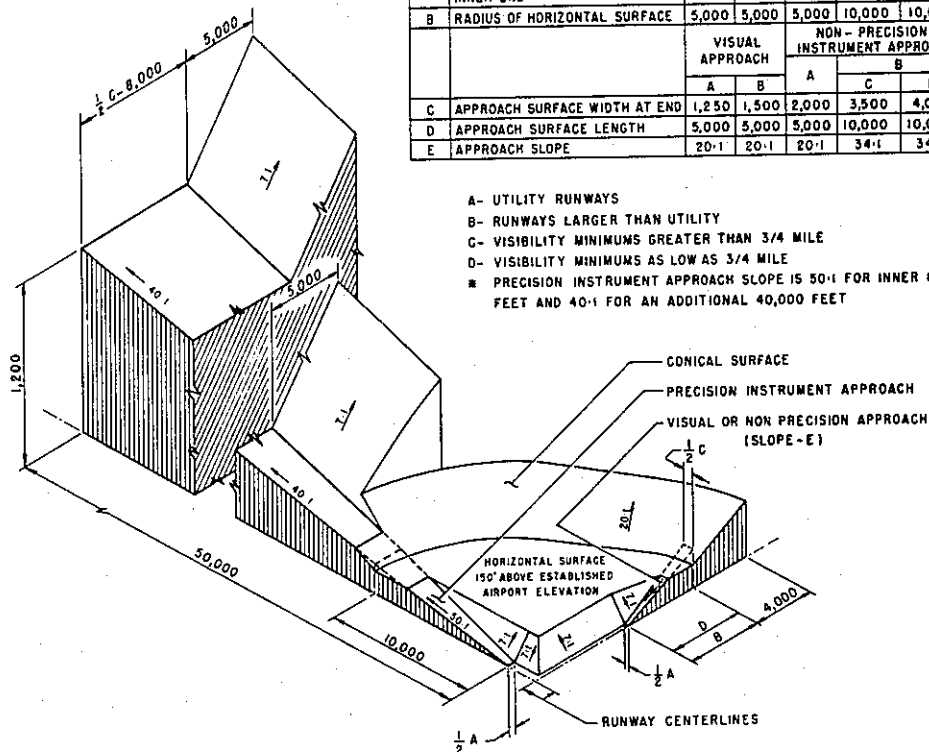
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	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
		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

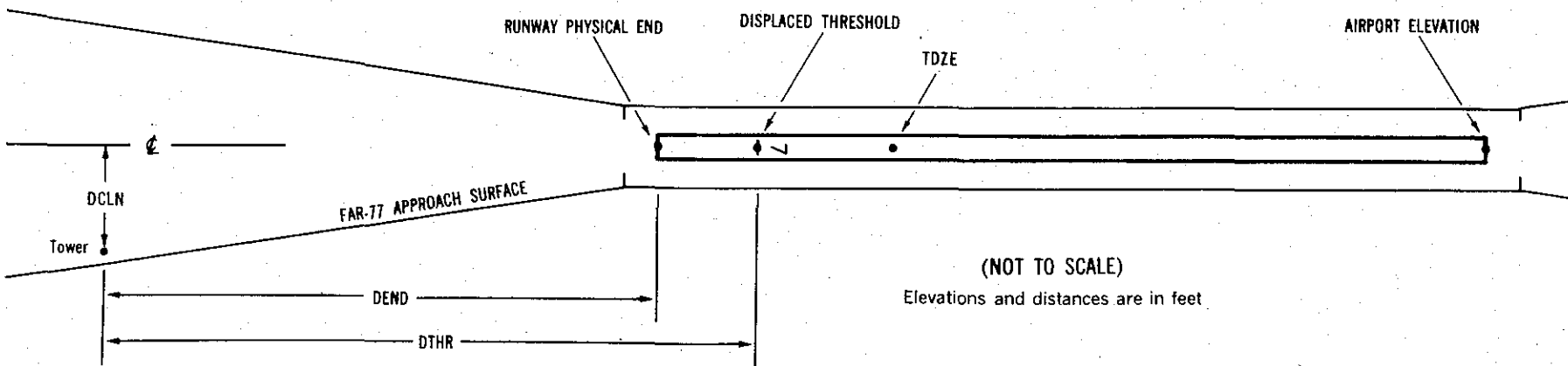
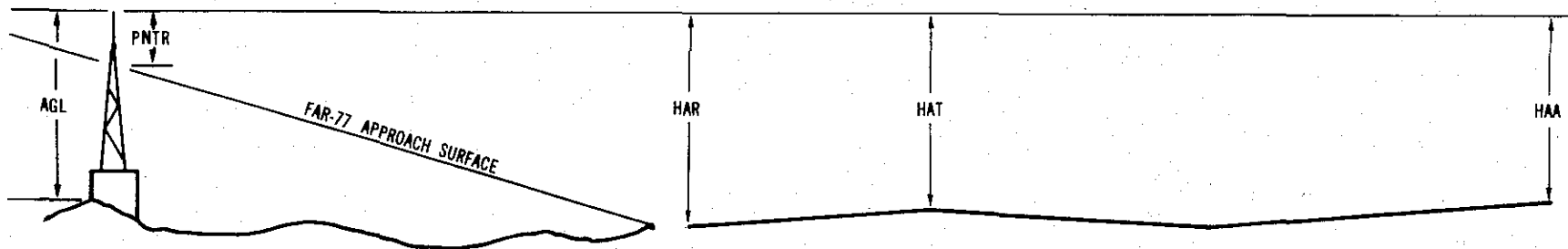
# ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x <sup>1</sup>	x <sup>2</sup>	XXXX/XXXX <sup>3</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXX <sup>5</sup>	XXXX/XXXX <sup>6</sup>	XXXXXX.XXX <sup>7</sup>	XXXXXX.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>		
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		

\*\*\*\*\*



(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 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.
- 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 Reference runway approach physical end elevation/touchdown zone elevation
- 4 Latitude and longitude of reference runway approach physical end
- 5 Reference runway geodetic azimuth reckoned clockwise from south
- 6 Reference runway displaced threshold elevation/touchdown zone elevation
- 7 Latitude and longitude of reference runway displaced threshold
- 8 Accuracy Code:           Horizontal   Vertical
- |        |        |
|--------|--------|
| 1 = 20 | A = 2  |
| 2 = 40 | B = 5  |
|        | C = 20 |
- 9 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.
- 10 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.
- 11 HAA - Height above airport  
HAR - Height above reference runway approach physical end  
HAT - Height above reference runway touchdown zone elevation
- 12 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.
- 13 PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

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AIRPORT ELEVATION 397

7 PIR 388/392 315130.952N 0860118.972W 2492849

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
HANGAR	315144.12	0860021.15	1A	404		16	12	7	-5137		501R	11
TREE	315152.54	0860026.11	1A	409		21	17	12	-5034		445L	16
SIGN	315143.40	0860025.86	1A	413		25	21	16	-4731		428R	20
ROD ON OL PAR	315141.60	0860034.23	1A	414		26	22	17	-3991		345R	21
WIND TEE	315142.45	0860037.44	1A	400		12	8	3	-3762		167R	7
OL ON VOR	315147.80	0860039.82	1A	412		24	20	15	-3759		411L	19
TREE	315143.69	0860055.44	1A	476		88	84	79	-2352		494L	87
TREE	315141.72	0860055.47	1A	452		64	60	55	-2280		309L	63
TREE	315131.58	0860101.01	1A	439		51	47	42	-1473		483R	51
TREE	315138.21	0860108.77	1A	449		61	57	52	-1081		379L	61
OL ON GLIDE SLOPE	315136.74	0860109.14	1A	428		40	36	31	-999		250L	40
TDR	315130.02	0860116.08	1A	397		9	5	0	-201		176R	9
TDR	315133.25	0860117.55	1A	397		9	5	0	-197		175L	9
TREE	315127.02	0860115.03	1A	415		27	23	18	-180		491R	27
TREE	315135.74	0860118.86	1A	460		72	68	63	-179		450L	72
GROUND	315130.57	0860120.16	1A	389		1	-3	-8	109		0L	1
TRANSFORMER	315128.13	0860119.08	1A	389		1	-3	-8	109		264R	1
ROAD (N)	315130.25	0860121.39	1A	395		7	3	-2	221		6L	7
TREE	315133.16	0860123.34	1A	427		39	35	30	275		341L	38
TREE	315133.20	0860125.62	1A	440		52	48	43	457		414L	47
TREE	315128.29	0860125.45	1A	410		22	18	13	617		56R	14
TREE	315124.79	0860125.65	1A	432		44	40	35	758		381R	33
TREE	315130.63	0860137.34	1A	453		65	61	56	1495		525L	39
TREE	315121.31	0860133.78	1A	443		55	51	46	1538		465R	28
TREE	315125.60	0860140.93	1A	453		65	61	56	1964		157L	30
TREE	315128.70	0860145.64	1A	454		66	62	57	2234		593L	25
TREE	315121.92	0860143.95	1A	458		70	66	61	2337		100R	27

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AIRPORT ELEVATION 397

25 SUPLC 393/393 315148.287N 0860024.698W 0692917

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	315130.57	0860120.16	1A	389		-4	-4	-8	-5107		0R	1
TRANSFORMER	315128.13	0860119.08	1A	389		-4	-4	-8	-5107		264L	1
TREE	315135.74	0860118.86	1A	460		67	67	63	-4819		450R	72
TREE	315127.02	0860115.03	1A	415		22	22	18	-4818		491L	27
TDR	315133.25	0860117.55	1A	397		4	4	0	-4801		175R	9
TDR	315130.02	0860116.08	1A	397		4	4	0	-4797		176L	9
OL ON GLIDE SLOPE	315136.74	0860109.14	1A	428		35	35	31	-3999		250R	40
TREE	315138.21	0860108.77	1A	449		56	56	52	-3917		379R	61
TREE	315131.58	0860101.01	1A	439		46	46	42	-3525		483L	51
TREE	315141.72	0860055.47	1A	452		59	59	55	-2718		309R	63
TREE	315143.69	0860055.44	1A	476		83	83	79	-2646		494R	87
OL ON VOR	315147.80	0860039.82	1A	412		19	19	15	-1239		411R	19
WIND TEE	315142.45	0860037.44	1A	400		7	7	3	-1236		167L	7
ROD ON OL PAR	315141.60	0860034.23	1A	414		21	21	17	-1007		345L	21
SIGN	315143.40	0860025.86	1A	413		20	20	16	-267		428L	20
TREE	315152.54	0860026.11	1A	409		16	16	12	36		445R	16
HANGAR	315144.12	0860021.15	1A	404		11	11	7	139		501L	11
OL LOCALIZER	315149.31	0860021.47	1A	398		5	5	1	297		0L	2
TREE	315144.82	0860017.19	1A	447		54	54	50	483		555L	46
TREE	315146.15	0860016.94	1A	441		48	48	44	551		437L	38
TREE	315150.86	0860017.86	1A	408		15	15	11	644		36R	2
TREE	315154.17	0860017.96	1A	433		40	40	36	752		353R	24
TREE	315147.03	0860014.36	1A	432		39	39	35	790		431L	22
TREE	315156.47	0860016.06	1A	452		59	59	55	988		514R	36
TREE	315148.35	0860009.63	1A	446		53	53	49	1219		450L	23
TREE	315150.89	0860008.69	1A	438		45	45	41	1385		237L	10
TREE	315154.95	0860008.18	1A	468		75	75	71	1570		132R	35
TREE	315157.72	0860007.64	1A	475		82	82	78	1712		377R	38
TREE	315148.80	0860001.77	1A	458		65	65	61	1870		644L	16
TREE	315158.45	0860003.12	1A	461		68	68	64	2103		310R	12
TREE	315153.98	0855955.26	1A	465		72	72	68	2580		351L	2
TREE	315201.29	0855958.08	1A	465		72	72	68	2611		427R	1



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AIRPORT ELEVATION 397

14 SUPLC 397/397 315154.118N 0860053.586W 3225707

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	315110.40	0860022.15	1A	437		40	40	40	-5159		498R	71
TREE	315116.29	0860014.10	1A	432		35	35	35	-5102		415L	66
TREE	315113.78	0860024.79	1A	436		39	39	39	-4749		473R	68
TREE	315121.41	0860017.66	1A	419		22	22	22	-4505		482L	49
TREE	315117.14	0860027.86	1A	426		29	29	29	-4319		481R	54
TREE	315125.10	0860033.95	1A	440		43	43	43	-3361		414R	58
WIND TEE	315142.45	0860037.44	1A	400		3	3	3	-1780		401L	7
TREE	315148.58	0860054.63	1A	457		60	60	60	-393		409R	62
TREE	315153.91	0860057.36	1A	413		16	16	16	179		273R	16
GROUND	315155.71	0860054.98	1A	400		3	3	3	201		1L	3
GROUND	315158.11	0860057.00	1A	411		14	14	14	499		8L	5
TREE	315200.96	0860054.05	1A	425		28	28	28	575		385L	17
TREE	315158.61	0860103.93	1A	484		87	87	87	899		438R	66
GROUND	315203.94	0860056.84	1A	432		35	35	35	961		374L	13
TREE	315203.57	0860103.57	1A	455		58	58	58	1281		112R	26
TREE	315210.18	0860059.86	1A	500		103	103	103	1621		546L	61
TREE	315208.62	0860104.10	1A	486		89	89	89	1716		160L	44
TREE	315210.21	0860103.16	1A	497		100	100	100	1795		321L	53
TREE	315208.56	0860113.63	1A	516		119	119	119	2206		500R	60
TREE	315219.04	0860104.20	1A	530		133	133	133	2561		787L	64
TREE	315213.18	0860113.60	1A	526		129	129	129	2577		217R	59
TREE	315219.27	0860113.43	1A	523		126	126	126	3059		165L	42
TREE	315224.33	0860119.02	1A	536		139	139	139	3758		89L	34
TREE	315229.94	0860117.31	1A	540		143	143	143	4121		548L	28

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AIRPORT ELEVATION 397

32 PIR 366/ 315114.635N 0860018.670W 1425725 372/393 315119.931N 0860023.353W

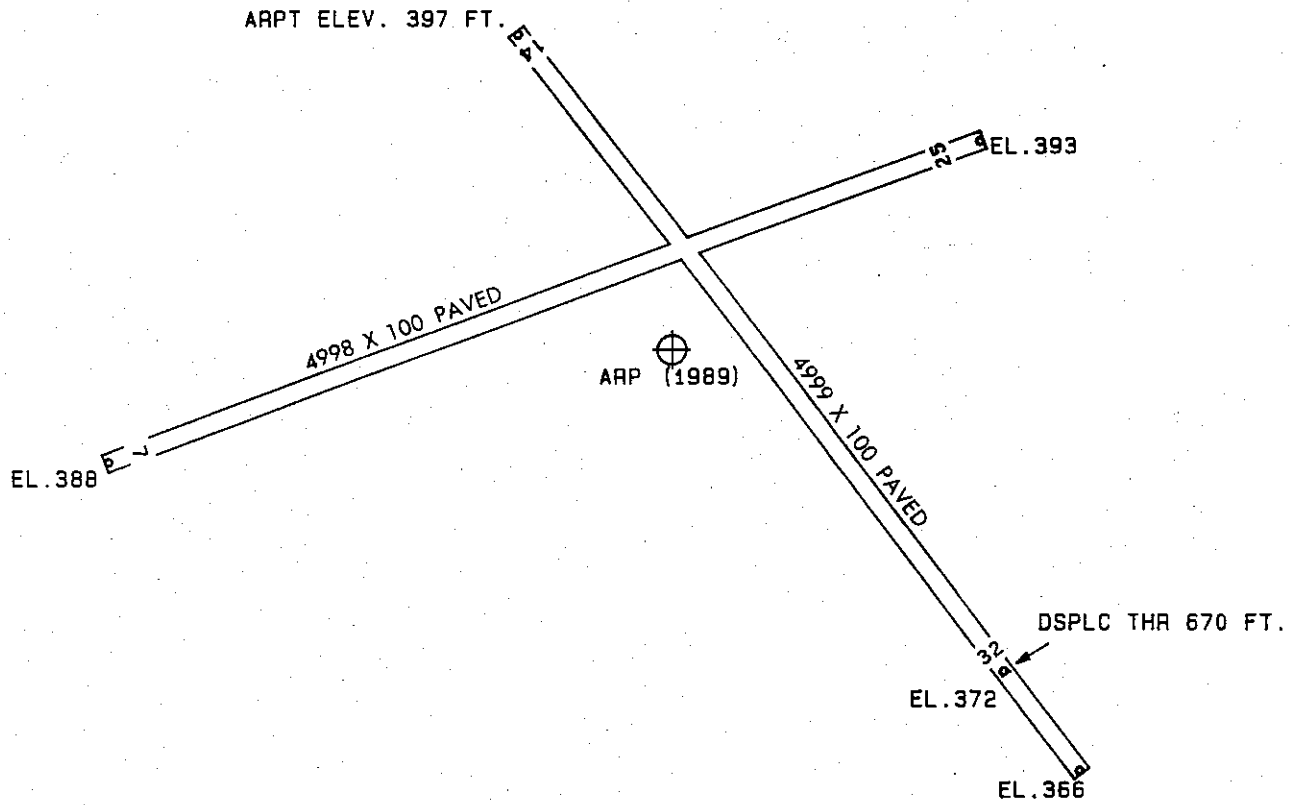
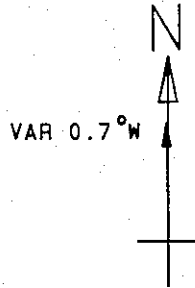
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	315155.71	0860054.98	1A	400		34	7	3	-5200	-4529	1R	3
TREE	315153.91	0860057.36	1A	413		47	20	16	-5178	-4507	273L	16
TREE	315148.58	0860054.63	1A	457		91	64	60	-4606	-3936	409L	62
WIND TEE	315142.45	0860037.44	1A	400		34	7	3	-3219	-2549	401R	7
TREE	315125.10	0860033.95	1A	440		74	47	43	-1638	-968	414L	58
TREE	315117.14	0860027.86	1A	426		60	33	29	-679	-9	481L	54
TREE	315121.41	0860017.66	1A	419		53	26	22	-494	177	482R	49
TREE	315113.78	0860024.79	1A	436		70	43	39	-250	421	473L	68
TREE	315116.29	0860014.10	1A	432		66	39	35	104	774	415R	66
TREE	315110.40	0860022.15	1A	437		71	44	40	161	831	498L	71
TREE	315110.89	0860019.74	1A	430		64	37	33	246	917	301L	63
TREE	315114.51	0860013.85	1A	440		74	47	43	260	931	324R	73
TREE	315111.07	0860014.52	1A	382		16	-11	-15	503	1174	69R	10
TREE	315108.16	0860016.95	1A	434		68	41	37	611	1282	275L	60
TREE	315111.15	0860011.02	1A	436		70	43	39	679	1349	315R	60
TREE	315103.60	0860013.20	1A	436		70	43	39	1174	1845	295L	51
TREE	315106.70	0860007.14	1A	434		68	41	37	1239	1909	311R	47
TREE	315103.61	0860010.69	1A	443		77	50	46	1304	1974	121L	55
TREE	315100.61	0860013.44	1A	455		89	62	58	1403	2074	493L	65
TREE	315051.12	0855958.41	1A	412		46	19	15	2950	3620	36L	-9
TREE	315052.85	0855951.23	1A	432		66	39	35	3183	3853	563R	6
TREE	315049.75	0855945.40	1A	430		64	37	33	3736	4406	776R	-7
TREE	315020.84	0855914.64	1A	608		242	215	211	7666	8336	1134R	93
TREE	315019.47	0855916.62	1A	595		229	202	198	7674	8344	915R	80
TREE	315013.96	0855920.17	1A	578		212	185	181	7934	8604	335R	57
TREE	314933.07	0855911.08	1A	587		221	194	190	11705	12375	1528L	-17
TREE	314940.77	0855846.47	1A	616		250	223	219	12362	13032	636R	-4
OL WATER TANK	314926.07	0855837.44	1A	685		319	292	288	14017	14688	363R	24

OC5720

AIRPORT ELEVATION 397

ARP 315136.998N 0860043.981W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	315134.27	0860044.85	1A	425		28	195 58	286
TREE	315133.23	0860052.11	1A	468		71	242 11	798
ANTENNA ON OL CONTROL TR	315139.44	0860028.78	1A	471		74	80 2	1334
TREE	315124.08	0860035.30	1A	451		54	150 53	1505
OL ON HANGAR	315141.66	0860026.34	1A	432		35	73 29	1593
TREE	315153.16	0860044.59	1A	458		61	358 51	1634
ROD ON OL AIRPORT BEACON	315137.98	0860024.61	1A	467		70	87 19	1674
ANTENNA ON OL RTR	315130.76	0860024.54	1A	451		54	111 18	1791
TREE	315156.45	0860047.99	1A	420		23	350 43	1996
TREE	315154.35	0860026.57	1A	447		50	41 17	2309
TREE	315153.55	0860103.43	1A	467		70	315 38	2369
TREE	315125.42	0860019.37	1A	436		39	119 34	2424
TREE	315201.30	0860050.46	1A	437		40	347 52	2519
TREE	315137.56	0860116.08	1A	481		84	271 53	2769
TREE	315157.97	0860017.10	1A	455		58	48 16	3141
TREE	315135.46	0860122.37	1A	477		80	268 1	3315
TREE	315124.85	0860120.16	1A	459		62	249 14	3353
TREE	315145.16	0860004.19	1A	457		60	77 11	3530
TREE	315211.01	0860057.89	1A	490		93	341 28	3640
TREE	315120.82	0860126.40	1A	474		77	246 37	4007
TREE	315208.69	0855952.56	1A	488		91	54 52	5470
TREE	315007.68	0855947.52	1B	574		177	152 21	10256
TREE	315003.88	0855940.67	1A	567		170	150 34	10879
ANTENNA ON MICROWAVE TR	314911.74	0855739.15	1A	789	219	392	133 19	21672
ANTENNA ON OL MAST	314845.67	0855709.82	2C	864	309	467	133 49	25320



TOUCHDOWN ZONE  
RUNWAY ELEVATION

7	392
25	393
14	397
32	393

TROY MUNICIPAL AIRPORT

TROY , ALABAMA

(NOT TO SCALE)