OBSTRUCTION DATA SHEET

ODS 457
WILLIAMSPORT-LYCOMING COUNTY AIRPORT
WILLIAMSPORT, PENNSYLVANIA

DIGITIZED FROM

OC 457
SURVEYED NOVEMBER 1992
10TH 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).

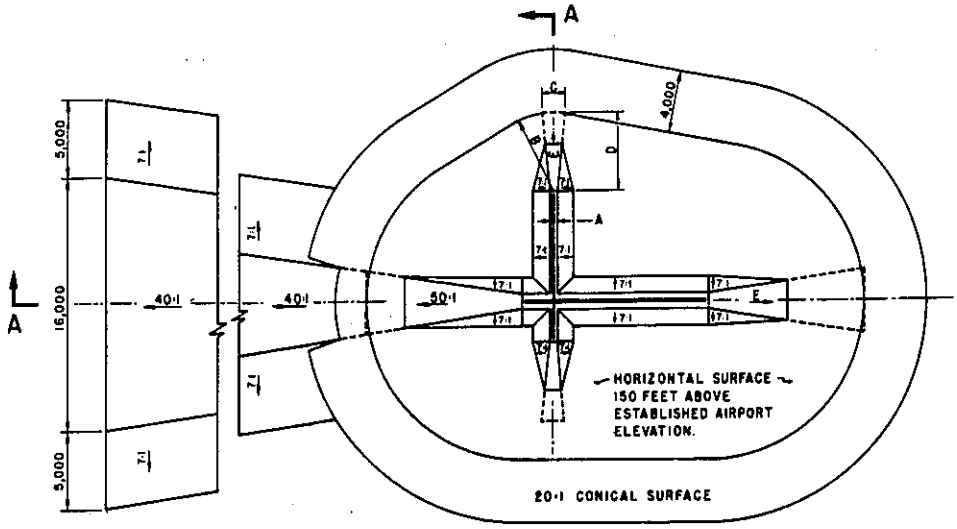
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

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:

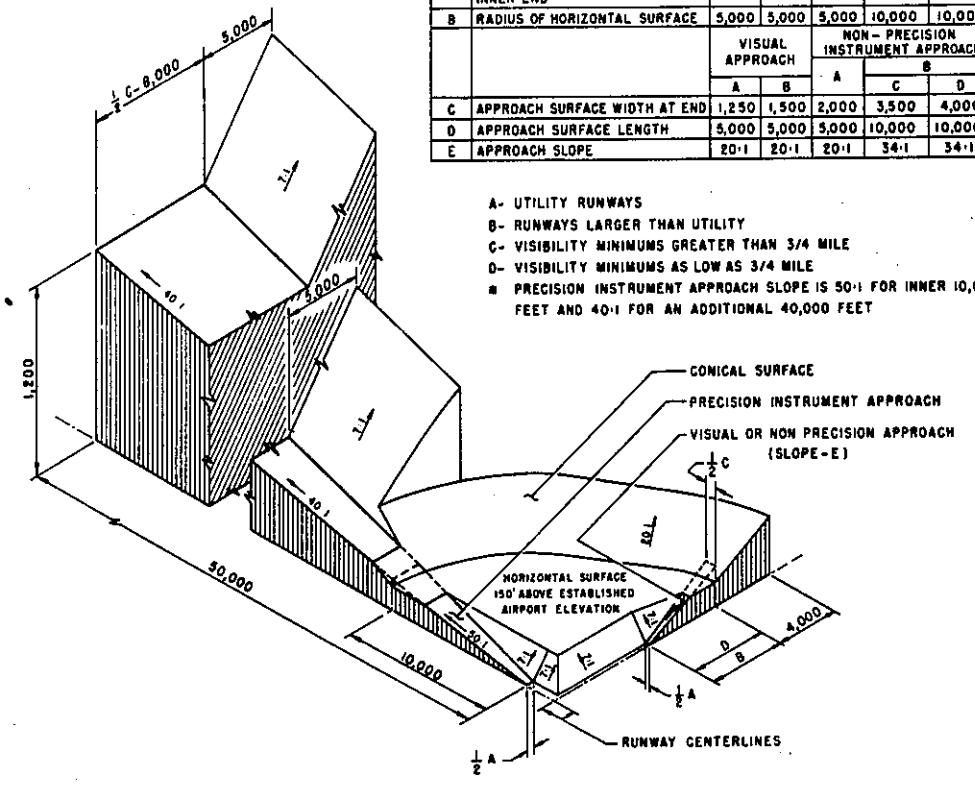
A(V) .... Utility runway - visual approach only
A(NP) ... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D ..... Nonutility runway - nonprecision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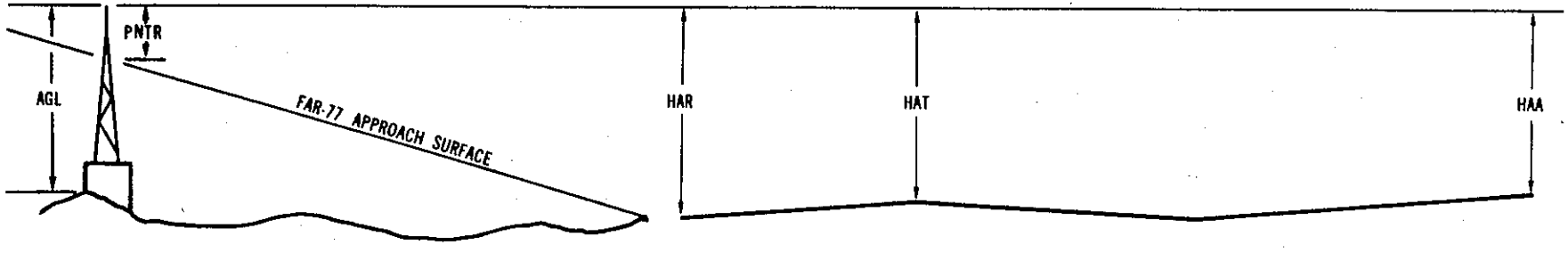

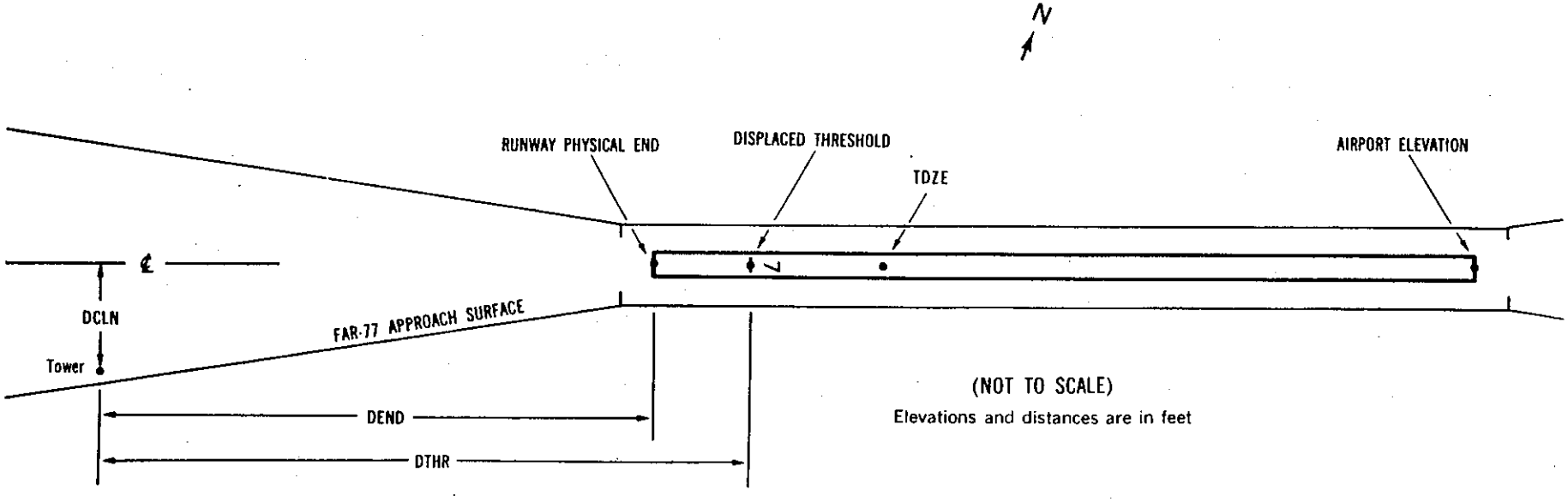

(NOT TO SCALE)

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 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).

OC0457

AIRPORT ELEVATION 529

12 SUPLC 524/ 529 411442.125 -765535.448 1055704.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	411436.55	-765459.18	1A	554		30	25	25	-2819		219L	26
TREE	411446.05	-765547.57	1A	576		52	47	47	1000		127L	29
TREE	411444.31	-765549.44	1A	573		49	44	44	1088		82R	23
TREE	411443.12	-765600.41	1A	616		92	87	87	1861		427R	44
TREE	411446.10	-765603.55	1A	611		87	82	82	2175		203R	29
TREE	411449.14	-765603.54	1A	602		78	73	73	2258		93L	18
TREE	411451.78	-765602.99	1A	609		85	80	80	2291		361L	24
TREE	411453.13	-765602.91	1A	618		94	89	89	2323		494L	32
TRMSN POLE	411451.62	-765610.05	1A	607		83	78	78	2805		198L	7
TREE	411458.65	-765637.13	1A	776		252	247	247	4990		314L	111
TREE	411456.16	-765644.31	1A	763		239	234	234	5448		79R	85
TREE	411453.09	-765653.40	1A	727		203	198	198	6030		569R	32

30 SUPLC 526/ 529 411430.501 -765441.583 2855739.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	411436.55	-765459.18	1A	554		28	25	25	-1461		219R	26
OL ON POLE	411431.96	-765437.32	1A	543		17	14	14	272		231R	15
TREE	411426.78	-765432.65	1A	547		21	18	18	760		175L	4
TREE	411423.13	-765416.07	1A	604		78	75	75	2079		181L	22
TREE	411425.49	-765405.78	1A	603		77	74	74	2769		264R	1
TREE	411422.85	-765319.29	1A	682		156	153	153	6257		985R	-22

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AIRPORT ELEVATION 529

15 SUPLC 522/ 411446.066 -765537.735 1365012. 525/ 525 411437.599 -765527.214

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	411421.62	-765504.80	1A	545		23	20	16	-3526	-2351	143L	22
SIGN	411446.40	-765538.21	1A	534		12	9	5	50	1225	3R	12
ROAD(N)	411446.64	-765538.58	1A	537		15	12	8	86	1261	7R	15
OL POLE	411448.31	-765538.50	1A	589		67	64	60	206	1381	113L	67
TREE	411447.71	-765541.50	1A	562		40	37	33	318	1493	97R	37
TREE	411451.16	-765542.86	1A	578		56	53	49	644	1819	67L	43
TREE	411455.36	-765543.70	1A	593		71	68	64	998	2173	311L	48
TREE	411500.19	-765551.72	1A	601		79	76	72	1773	2948	199L	33
TREE	411502.21	-765603.75	1A	619		97	94	90	2551	3726	332R	28
TREE	411513.98	-765615.30	1A	740		218	215	211	4023	5198	160R	106
TREE	411513.38	-765619.42	1A	723		201	198	194	4194	5369	431R	84
TREE	411516.11	-765625.44	1A	736		214	211	207	4710	5885	577R	82
TREE	411522.76	-765620.61	1A	782		260	257	253	4949	6124	152L	121
TREE	411601.50	-765648.93	1A	1011		489	486	482	9288	10463	1258L	222
TREE	411559.37	-765655.06	1A	926		404	401	397	9451	10626	769L	132

33 SUPLC 523/ 525 411420.828 -765506.379 3165033.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD(N)	411446.64	-765538.58	1A	537		14	12	8	-3588		7L	15
SIGN	411446.40	-765538.21	1A	534		11	9	5	-3551		3L	12
TREE	411421.62	-765504.80	1A	545		22	20	16	24		143R	22
TREE	411415.83	-765458.18	1A	608		85	83	79	798		111R	67
TREE	411406.51	-765455.42	1A	607		84	82	78	1630		381L	42
TREE	411405.75	-765442.53	1A	612		89	87	83	2360		285R	25
TREE	411335.81	-765425.51	1A	992		469	467	463	5460		839L	314
TREE	411338.62	-765408.67	1A	889		366	364	360	6132		295R	191
TREE	411320.87	-765410.38	1A	1545		1022	1020	1016	7353		1029L	811
TREE	411323.38	-765357.77	1A	1483		960	958	954	7827		152L	735
TREE	411313.22	-765358.07	1A	1732		1209	1207	1203	8562		872L	963
TREE	411313.18	-765338.64	1A	1732		1209	1207	1203	9580		208R	933

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AIRPORT ELEVATION 529

9 SUPLC 515/ 521 411419.160 -765603.869 765706.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	411428.52	-765448.24	1A	575		60	54	46	-5842		381R	48
TREE	411427.92	-765453.46	1A	592		77	71	63	-5440		350R	65
TREE	411425.67	-765504.51	1A	555		40	34	26	-4567		382R	28
BUSH	411421.45	-765526.02	1A	534		19	13	5	-2869		427R	14
BUSH	411419.21	-765541.46	1A	529		14	8	0	-1669		381R	10
BUSH	411417.71	-765547.83	1A	539		24	18	10	-1160		420R	22
TREE	411424.35	-765557.50	1A	551		36	30	22	-593		402L	35
TREE	411415.72	-765554.84	1A	544		29	23	15	-593		495R	28
TREE	411422.43	-765606.58	1A	548		33	27	19	127		369L	33
TREE	411422.38	-765607.60	1A	552		37	31	23	204		382L	37
TREE	411422.22	-765613.83	1A	553		38	32	24	671		473L	24
OL ON LOC	411417.40	-765613.93	1A	525		10	4	-4	789		0R	-7
ANT ON OL BLDG	411420.10	-765616.01	1A	537		22	16	8	882		302L	2
TREE	411412.96	-765616.10	1A	566		51	45	37	1052		400R	26
TREE	411420.08	-765622.42	1A	571		56	50	42	1360		411L	22
TREE	411413.87	-765629.86	1A	582		67	61	53	2055		73R	13
TREE	411357.19	-765706.75	1A	728		213	207	199	5182		1081R	67
TREE	411404.47	-765712.37	1A	671		156	150	142	5434		266R	2
TREE	411401.20	-765713.10	1A	697		182	176	168	5563		576R	25
TREE	411356.91	-765717.57	1A	738		223	217	209	5994		922R	53

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AIRPORT ELEVATION 529

27 PIR 526/ 527 411433.537 -765441.632 2565800.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	411422.43	-765606.58	1A	548		22	21	19	-6576		369R	33
TREE	411424.35	-765557.50	1A	551		25	24	22	-5856		402R	35
TREE	411415.72	-765554.84	1A	544		18	17	15	-5855		495L	28
BUSH	411417.71	-765547.83	1A	539		13	12	10	-5288		420L	22
BUSH	411419.21	-765541.46	1A	529		3	2	0	-4780		381L	10
BUSH	411421.45	-765526.02	1A	534		8	7	5	-3580		427L	14
TREE	411425.67	-765504.51	1A	555		29	28	26	-1882		382L	28
TREE	411427.92	-765453.46	1A	592		66	65	63	-1009		350L	65
TREE	411428.52	-765448.24	1A	575		49	48	46	-606		381L	48
RAILROAD	411438.40	-765440.38	1A	554		28	27	25	204		458R	28
OL ON POLE	411431.96	-765437.32	1A	543		17	16	14	284		230L	15
OL ON APP LT	411434.13	-765437.49	1A	543		17	16	14	321		13L	15
OL ON BLDG	411440.15	-765435.26	1A	577		51	50	48	625		542R	43
TREE	411437.63	-765430.44	1A	571		45	44	42	926		211R	30
OL ON POLE	411436.36	-765429.03	1A	555		29	28	26	1002		61R	13
TREE	411441.81	-765424.39	1A	588		62	61	59	1472		519R	37
OL ON POLE	411433.75	-765420.77	1A	565		39	38	36	1558		338L	12
TREE	411431.78	-765412.81	1A	593		67	66	64	2105		669L	29
OL ON POLE	411445.76	-765413.07	1A	584		58	57	55	2404		714R	14
TREE	411447.70	-765404.26	1A	628		102	101	99	3104		753R	44
TREE	411447.13	-765357.00	1A	645		119	118	116	3632		571R	50
TREE	411452.31	-765354.56	1A	680		154	153	151	3931		1040R	79
TREE	411438.22	-765349.48	1A	602		76	75	73	3988		436L	0
TREE	411434.99	-765331.19	1A	664		138	137	135	5276		1069L	36
TREE	411500.07	-765322.79	1A	744		218	217	215	6473		1259R	93
OL ON TANK	411452.81	-765318.45	1A	686		160	159	157	6630		469R	31
HAZARD BEACON	411459.44	-765316.02	1A	736		210	209	207	6962		1080R	75
TREE	411446.61	-765252.41	1A	734		208	207	205	8427		591L	43
TREE	411437.48	-765248.25	1A	784		258	257	255	8529		1563L	91
TREE	411505.20	-765249.99	1A	785		259	258	256	9031		1201R	82
TREE	411455.30	-765244.79	1A	755		229	228	226	9192		134R	49
HAZARD BEACON	411438.14	-765236.59	1A	773		247	246	244	9411		1698L	63
TREE	411504.31	-765240.64	1A	788		262	261	259	9706		952R	72
TREE	411537.39	-765051.70	1A	984		458	457	455	18566		2342R	49
TREE	411547.43	-765046.06	1A	1004		478	477	475	19215		3235R	53

AIRPORT ELEVATION 529

27 PIR 526/ 527 411433.537 -765441.632 2565800.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	411537.74	-765028.21	2C	985		459	458	456	20322		1973R	6
TREE	411552.29	-765027.21	2C	1083		557	556	554	20727		3391R	94
TREE	411703.31	-764631.25	2C	1495		969	968	966	39898		6354R	27

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AIRPORT ELEVATION 529

ARP 411431.093 -765518.299

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL AMOM	411434.40	-765516.63	1A	557		28	3153	358
OL ON WSK	411434.68	-765517.90	1A	548		19	1554	364
TREE	411419.51	-765517.29	1A	564		35	18720	1175
TREE	411424.05	-765503.60	1A	564		35	13330	1330
BUSH	411419.28	-765509.51	1A	539		10	16146	1372
TREE	411422.37	-765503.76	1A	560		31	13934	1418
OL WSK	411436.45	-765535.73	1A	568		39	30314	1437
ANT AND APBN ON OL ATCT	411442.07	-765505.97	1A	592		63	5123	1456
BUSH	411417.76	-765507.63	1A	535		6	15958	1577
TREE	411415.20	-765512.53	1A	597		68	17546	1668
TREE	411418.21	-765532.36	1A	578		49	23035	1689
OL HANGAR	411445.69	-765530.64	1A	559		30	33832	1752
TREE	411417.30	-765536.27	1A	585		56	23537	1958
TREE	411450.56	-765537.50	1A	582		53	33426	2456
TREE	411440.26	-765552.62	1A	603		74	30035	2781
POLE	411439.30	-765442.66	1A	566		37	8407	2846
TREE	411427.27	-765441.18	1A	555		26	10851	2862
TREE	411415.25	-765549.99	1A	574		45	24734	2904
TREE	411455.02	-765541.02	1A	600		71	33528	2980
TREE	411439.21	-765439.22	1A	572		43	8542	3097
TREE	411411.47	-765550.29	1A	607		78	24200	3149
TREE	411425.75	-765435.19	1A	553		24	11025	3337
TREE	411426.66	-765604.54	1A	608		79	27352	3561
OL TWR	411458.03	-765448.21	1B	663		134	5113	3566
ROD ON STACK	411446.31	-765433.81	1A	614		85	7642	3731
TREE	411425.07	-765608.44	1A	592		63	27203	3878
TREE	411423.31	-765620.75	1A	584		55	27143	4835
TREE	411448.73	-765415.04	1A	607		78	8049	5151
TREE	411506.12	-765618.42	1A	706		177	31846	5802
TREE	411453.33	-765357.08	1A	683		154	8109	6600
TREE	411502.28	-765401.64	1A	715		186	7246	6652

OC0457 Continued from previous page

AIRPORT ELEVATION 529

ARP 411431.093 -765518.299

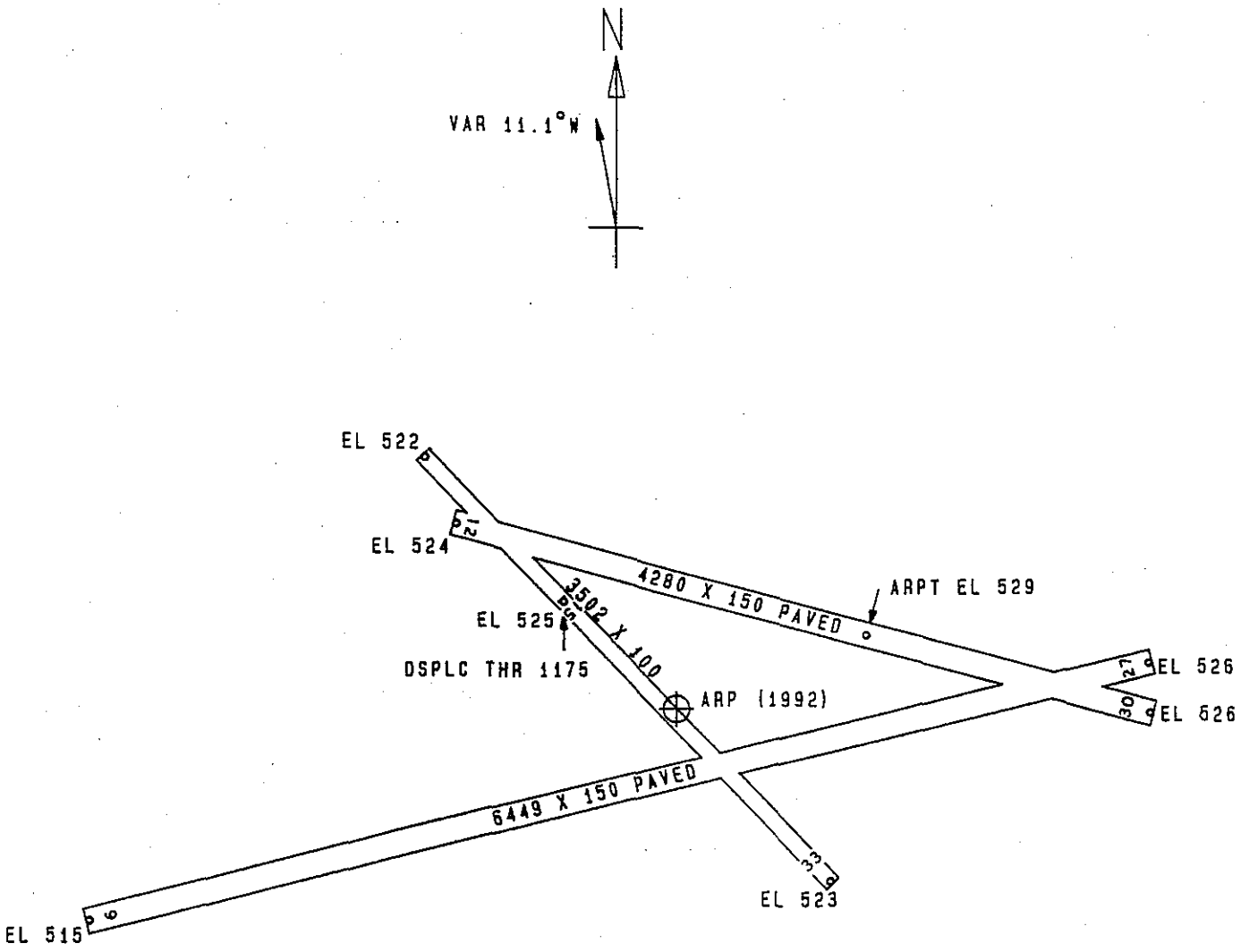
OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	411508.75	-765631.37	1A	733		204	31526	6759
TREE	411330.39	-765424.44	1B	1210		681	15716	7394
TREE	411318.38	-765532.53	1B	1676		1147	19930	7439
HOPPER	411522.24	-765354.52	1B	679		150	6207	8231
TREE	411532.84	-765407.07	1B	719		190	5208	8285
TREE	411310.25	-765456.52	1B	1860		1331	17936	8349
TREE	411321.95	-765417.62	1A	1508		979	15734	8394
TREE	411433.07	-765327.76	1A	699		170	9943	8447
FLGPL ON HOPPER	411516.35	-765342.04	1A	696		167	6910	8662
TREE	411429.85	-765322.90	1A	729		200	10154	8817
GROUND	411522.58	-765344.22	1A	690		161	6508	8877
HAZARD BEACON	411431.35	-765318.09	1A	701		172	10055	9183
OL ANT	411302.75	-765440.38	1A	1994		1465	17308	9399
ANT ON OL MCWV TWR	411301.24	-765443.16	1A	2048		1519	17438	9482
TREE	411310.74	-765409.76	1A	1802		1273	15818	9673
TREE	411316.34	-765638.97	1B	1776		1247	23016	9758
TREE	411603.22	-765434.70	1B	1009		480	3044	9901
TREE	411559.58	-765614.71	1A	925		396	34524	9938
TREE	411351.33	-765717.52	1B	773		244	25716	9958
TREE	411536.55	-765336.38	1B	814		285	6041	10222
TREE	411556.34	-765403.86	1B	1095		566	4428	10333
TREE	411557.96	-765348.34	1B	1175		646	4906	11158
OL ON TRMSN TWR	411444.23	-765748.72	2C	673		144	28742	11567
TREE	411303.56	-765338.72	2C	1820		1291	15025	11678
TREE	411245.89	-765630.59	1B	1985		1456	21831	11995
TREE	411310.50	-765316.33	1A	1750		1221	14217	12385
TOWER	411307.89	-765726.13	1A	2021		1492	24020	12896
ROD ON OL MCWV TWR	411303.91	-765722.91	1A	2170	285	1641	23817	12981
ANT ON OL RTR TWR	411246.80	-765702.62	2C	2112		1583	22810	13227
TREE	411601.53	-765723.51	2C	999		470	32451	13237
TREE	411623.03	-765345.89	~~2C~~ 1C	1037		508	4300	13347

OC0457 Continued from previous page

AIRPORT ELEVATION 529

ARP 411431.093 -765518.299

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON MCWV TWR	411246.85	-765711.65	2C	2110		1581	23029	13650
TREE	411313.92	-765243.54	2C	1678		1149	13432	14171
TREE	411600.20	-765741.98	2C	962		433	32031	14204
ROD ON OL TWR	411239.85	-765717.74	2C	2131		1602	23008	14493
TREE	411314.69	-765758.92	2C	1716		1187	24854	14505
TREE	411525.03	-765221.07	2C	810		281	7907	14596
TREE	411259.27	-765245.10	2C	1786		1257	13931	14946
TREE	411600.18	-765241.84	2C	1036		507	6403	14970
TRMSN TWR	411335.09	-765824.06	2C	901		372	25920	15282
ANT ON OL TWR	411232.35	-765726.59	2C	2172		1643	23018	15509
TREE	411620.70	-765243.99	2C	945		416	5749	16185
TREE	411314.26	-765827.60	2C	1678		1149	25251	16422
TRMSN TWR	411331.60	-765845.64	2C	1040		511	26018	16947
TREE	411552.15	-765043.92	2C	1044		515	7941	22505



TOUCHDOWN ZONE RUNWAY	ELEVATION
12	529
30	529
15	525
33	525
9	521
27	527

WILLIAMSPORT-LYCOMING COUNTY AIRPORT

WILLIAMSPORT, PENNSYLVANIA

(NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)