FEDERAL AVIATION ADMINISTRATION

OBSTRUCTION DATA FOR ARRIVAL/DEPARTURE OF AIRCRAFT

HARTNESS STATE AIRPORT (SPRINGFIELD)

SPRINGFIELD. VERMONT

ODS 5057

1st EDITION

OC 5057 SURVEYED SEPTEMBER 1984 2nd EDITION

SPECIAL NOTICE

The use of the Obstruction Data Sheet (ODS) for disseminating airport obstruction and other aeronautical information is currently being evaluated. Your comments concerning this product are encouraged and will be weighed in future ODS designs.

Comments should be directed to:

Director, Charting and Geodetic Services ATTN: N/CG23x2 National Ocean Service, NOAA Rockville, Maryland 20852

Phone: 443-1008 (FTS) 301-443-1008 (COMM)

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

OBSTRUCTION DATA SHEET

A new computer generated data run, called the Obstruction Data Sheet (ODS), has been developed to permit dissemination of airport obstruction survey data in a more timely manner following completion of surveys at airports. The ODS will be published as soon as possible after the survey and prior to the printing and distribution of the Airport Obstruction Chart. Thus, we expect that important survey data will be made available to users 3 or 4 months prior to the publication of the Airport Obstruction Chart.

The ODS will carry the same name and number as the corresponding Airport Obstruction Chart and will be made available to users on a one copy ODS for one copy Airport Obstruction Chart basis.

We plan to evaluate the ODS concept and format after users have gained some experience with the product.

FEDERAL AVIATION ADMINISTRATION OBSTRUCTION DATA FOR ARRIVAL/DEPARTURE OF AIRCRAFT

THE ENCLOSED OBSTRUCTION INFORMATION IS THE RESULT OF THE FIELD SURVEY PERFORMED BY THE NATIONAL OCEAN SERVICE (NOS) FOR THE FEDERAL AVIATION ADMINISTRATION (FAA) IN ACCORDANCE WITH FAA FEDERAL AIR REGULATIONS (FAR) PART 77. THESE DATA ARE FURNISHED IN ADVANCE OF THE PUBLISHED AIRPORT OBSTRUCTION CHART (OC) OF THE CORRESPONDING AIRPORT.

THIS REPORT LISTS THE OBSTRUCTIONS EXISTING AT THE TIME OF THE SURVEY.

A DIAGRAM SHOWING RUNWAY ORIENTATION AND RELATED RUNWAY DATA IS INCLUDED.

OBSTRUCTION DATA IS LISTED WITH REFERENCE TO THE ARP OR THE RUNWAY END.

OBSTRUCTIONS IN THE PRIMARY, APPROACH/DEPARTURE SURFACES ARE REFERENCED TO THE APPROPRIATE PHYSICAL CENTERLINE END OF THE RUNWAY.

OBSTRUCTIONS IN THE TRANSITIONAL, HORIZONTAL AND CONICAL SURFACES ARE REFERENCED TO THE AIRPORT REFERENCE POINT (ARP).

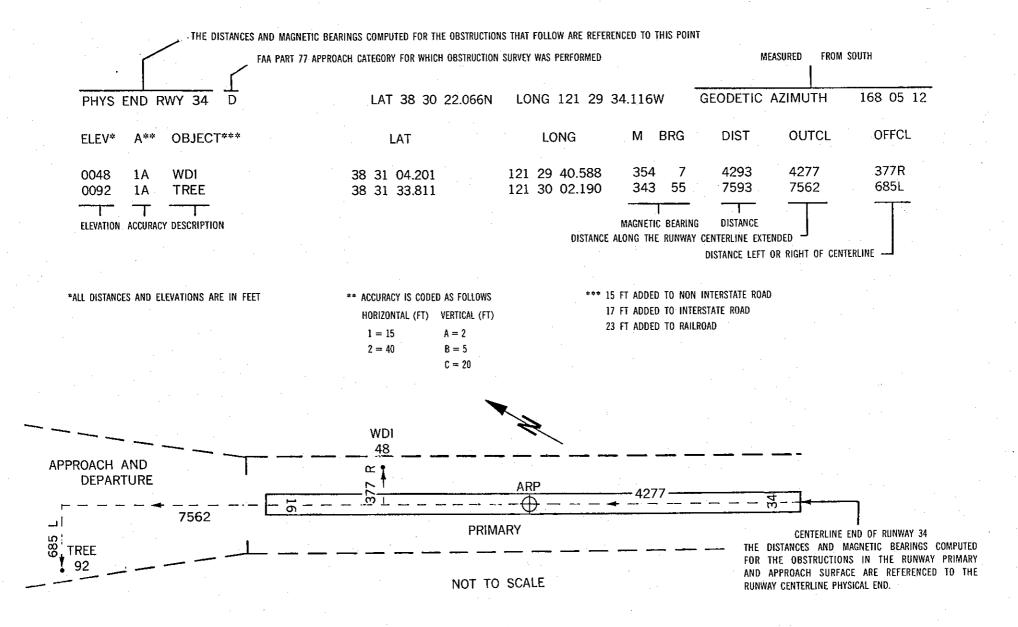
POSITIONS AND ELEVATIONS HAVE BEEN TIED TO THE NATIONAL NETWORK OF GEODETIC CONTROL.

RUNWAY	SURVEYING CRITERIA.
PIR	Precision Instrument Runway. 50:1 Slope first 10,000 FT
	40:1 for the next 40,000 FT
D	Nonprecision Instrument Runway with visibility minimums as low as $\frac{3}{4}$ mile.
	34:1 Slope
С	Nonprecision Instrument Runway with visibility minimums greater than
	¾ mile. 34:1 Slope
B(V)	Visual runway with visual approach only. 20:1 Slope
A(NP)	Utility runway with nonprecision instrument approach. 20:1 Slope

Utility runway with visual approach only.

A(V)

ANNOTATION OF SAMPLE OBSTRUCTION DATA



RUNWAY 5	CONDITION BY	LAT 43 20 19	.839N LONS 72	SI 18.234W GEOI	ETIC AZIMU	JTH 214 SS 31
ELEV A	OBJECT	LAT	LONG	M BRO DIST	OUTCL	OFFCL
580 LA	TREE BUSH TREE BUSH	43 20 19.962N 43 20 21.899N 43 20 29.204N 43 20 36.061N 43 21 7.904N 43 21 14.911N	72 31 14,886W 72 31 13.051W 72 31 6.547W 72 30 59.807W 72 30 36.849W 72 30 30.293W	100 14 248 76 32 436 57 26 1283 54 46 2134 47 15 5748 47 32 6606	151 - 389 - 1271 - 2125 - 5742 - 6601	1970 1978 1728 1878 251L 255L
RUNWAY 2:	B CONDITION C	LAT 43 21 4	.509N LONG 72 LONG	30 35.942W GEOI M BRG DIS		JTH 34 37 0 OFFCL
580 1A 586 1A 604 1A 574 1A 606 1A 584 1A 584 1A 579 1A 581 1A 614 1A	TREE BUSH TREE TREE TREE TREE TREE TREE TREE TRE	43 20 36.061W 43 20 29.204W 43 20 21.899W 43 20 19.962W 43 20 20.216W 43 20 18.894W 43 20 17.645W 43 20 16.997W 43 20 14.080W 43 20 17.062W 43 20 12.410W	72 30 59.807W 72 31 6.547W 72 31 13.051W 72 31 14.886W 72 31 20.807W 72 31 22.021W 72 31 21.530W 72 31 20.797W 72 31 19.389W 72 31 25.572W 72 31 24.445W	226 35 3377 227 25 4230 227 33 5112 227 39 5350 231 35 5577 231 30 5738 230 29 5819 229 40 5842 227 16 6031 232 28 6044 229 19 6378	3372 4226 5108 5347 5574 5735 5819 5842 6026 6037	187L 172L 197L 197L 178R 176R 74R 8L 261L 286R 49L

RUNWAY 11 CONDITION AV	LAT 43 20 30	.044N LONG 72	31 37.307W GEODE	TIC AZIMUTH 278 3	7 43
ELEV A OBJECT	LAT	LONG	M_BRG DIST	OUTCL OFFCL	
739 1A TREE 777 1A TREE 836 1A TREE 883 1A TREE 889 1A HAZARD BEACON	43 20 22.016N 43 20 18.611N 43 20 22.367N 43 20 15.566N 43 20 13.382N	72 30 11.654W 72 30 9.822W 72 30 5.153W 72 29 58.459W 72 29 55.253W	412 25 6382 115 15 6568 111 36 6855 116 26 7451 117 42 7729	6380 147L 6566 174R 6850 254L 7442 352R 7710 535R	
RUNWAY 29 CONDITION AV	/ LAT 43 20 25 LAT	.301N LONG 72 LONG	30 54.501W GEODE M BRG DIST	TIC AZIMUTH 98 3 OUTCL OFFCL	88 11
590 1A TREE					

912 1B TREE

72 30

O.782W

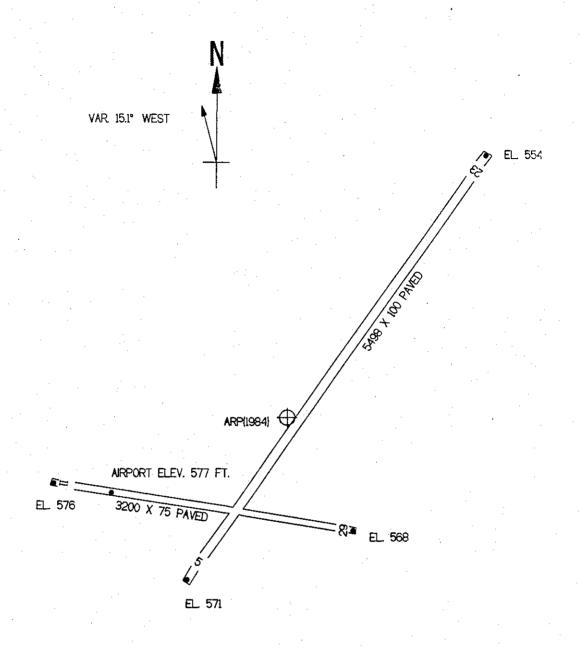
43 20 10,661N

5372

134 39

865 1B TREE	43 19 58.244N	72 30 13.496W	151 24	5405
757 1B TREE	43 20 40.302N	72 32 18.856W	288 44	5542
774 1A TREE	43 20 30.085N	72 32 19.280W	278 6	5604
SO4 1B TREE	43 20 25.366N	72 32 20.487W	273 30	5770
827 1B TREE	43 20 57.194N	72 32 19.395W	305 25	5939
761 1B TREE	43 20 20.781N	72 32 30.566W	270 51	<u> 4400</u>
778 1B TREE	43 21 40.402N	72 31 24.830W	1 40	6617
781 1B TREE	43 20 57.285N	72 29 37.855W	87 5	6695
755 1B TREE	43 19 36.737N	72 30 24.792W	169 38	6740
744 1B TREE	43 19 30.443N	72 31 14.507W	201 41	5757
876 1B TREE	43 20 39.964N	72 29 30.896W	102 28	4888
772 18 TREE	43 20 48.060N	72 32 36.392W	294 22	7044
833 1B TREE	43 21 37.014N	72 31 35.762W	343 0	7193
1015 IB HAZARD BEACON	43 21 9.537N	72 32 30.841W	312 24	7220
781 18 TREE	43 19 24.774N	72 31 11.282W	199 19	7316
888 1B TREE	43 21 48.417N	72 30 38,330W	29 46	7491
1052 18 TREE	43 ₋ 20-25.089N	72 29 14.557W	113 27	8176
804 1B TREE	43 21 12.583N	72 29 24.000W	79 0	-8229
749 IB TREE	43 19 48.142N	72 32 37.853W	249 42	8509
813 1B TREE	43 22 2.307N	72 31 30.175W	231	8867
853 1B TREE	43 19 24.905N	72 29 51.343W	158 41	9050
SIP 1B TREE		72 33 5.038W	270 31	9242
778 1B TREE	43 21 39.623N	72 29 31.159W	62 17	9353
954 1B TREE	43 19 3.495N	72 31 0.332W	193 27	9455
765 1B TREE	43 19 7.363N	72 31 59.771W	219 34	9953
965 1B TREE	43 18 59.517N	72 31 23.071W	203 14	9954
1389 IB HAZARD BEACON	43 19 46.782M	72 29 6.598W	135 23	10049
890 18 TREE	43 20 44.261N	A MET ATTACHED BY ALL BOARD SHIP AND A	289 24	10067
1197 1B HAZARD BEACON	43 20 46.218N	72 28 48.294W	99 41 353 34	10074 10289
1134 IB TREE	43 22 11,364N	72 31 55.135W 72 28 49.967W	353 34 85 48	10494
988 1B TREE	43 21 11.071N			
790 1B TREE	43 20 27.659N	72 33 27.093W 72 28 43.305W	280 5 118 17	10614 10681
1074 1B TREE	43 20 12.760N	72 28 43.300W	60 35	10791
1140 1B HAZARD BEACON	43 21 51.560N	72 27 17.000W	154 13	10829
1218 20 HAZARD BEACON 1294 20 TREE	43 19 15.957N 43 19 30.971N	72 29 28.147W 72 29 8.556W	143 6	10830
	43 17 30.271N 43 19 37.926N	72 27 0.000W	251 48	10861
	43 19 37.920N 43 19 18.038N	72 33 0.010W	238 43	11018
860 1B TREE 813 1B TREE	43 19 15.036N 43 18 52.586N	72 32 40.017W	230 43 212 15	11046
1018 1B TREE	43 21 54.811N	72 29 21.582W	58 9	11083
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890	1 B	TREE	43	22	27.302N	72	31	15.864W	10	37	11218
824	1A	TREE			8.314N	72		39.773W	233	24	11421
921	1B	TRANSMSSN TWR			29.934N	72	28	46.136W	77	16	11517
1230		TREE	43	21	44.364N	72	33	10.556W	321	17	11583:
1109	18	HAZARD BEACON	43	13	41.219N	72	31	19.005W	200	31.	11759
1098	1B	TREE	43	19	39.865N	72	33	23.097W	255	49	11787
822		TREE	43	18	55.281N	72		28.542W	226	24	12033
1114	1 B	TREE			42.128N	72		45.894W	7.2	9	12159
1270	20	TREE	43		46.258N	72	28	18.782W	100	37	12247
1065	20	TREE			13,651N	-72	29	3.684W		32	12249
1135	210	TREE			28.361N	72		18.483W	109	6	12263;
863	1 B	TREE	43		11.334N	72	29	17.252W	54	27	12400
928		TREE			35.252N	72		41.939W	187	33	
1195		TREE			49.836N	72	28	27.244W	127		12524
1010		TREE						29.998W	133	3	12887
832	20	TREE			36.598N	72		3.551W	214	59	12945
1043	1B	TREE			41.111N	72		22.005W	28	=7	12959
925		TREE			17.865N	72	29	13.638W		39	13081
1438		TREE		22	47.398N	7.2	31	34.374W	5	28	13408
1073		TREE			44.868N	72	27	23.978W	161	59	13535
1046		TREE			32.214N	72		15.440W	. 80	- 1	13659
		TREE			14.337N	7.2		30.467W	247	27	13673
		TREE			53.106N	72	31	14,830W	1.1	47	13820
1133		TREE			37.822N	72		13.216W	285	32	13782
1005		TREE			23.727N		27	0.304W	55	1.6	14165
		HAZARD BEACON			18.830N	72	31	53.969W	209	55	14453
1228					47.933N		27	59.035W	125	0	14540
1995	20				54.339N	7.2.		12.658W	355	5	14816
		TREE			23.166N	7.2	27	43.080W	110	24	14913
1064		TREE			50.941N	72	3.4	21.476H	267	27	15316
and the second second	20			23	9.539N	72	30	35.959W		44	15599
	20	TREE		22	7.980N	7.2	28	12.207W	67	4	15693
	20	TREE			32.850N	72		40.592W	84	25	16065
1401		TREE			47.736N	72	2.7	26.620W	101	7	16102
		TREE			51.441N	72	29	2.657W	48	26	16313
		TREE			18.875N	7.2	27	25.836W	20	17	16674
		TREE			42.714N	72	28	30.207W		48	17074
1128	ZC	TREE	43	23	1.770N	72	28	51.701W	45	45	17631
		·									



TOUCHDOWN ZONE

RUNWAY	ELEVATION
5	57 5
23	5 65

HARTNESS STATE AIRPORT (SPRINGFIELD)

SPRINGFIELD, VERMONT

(NOT TO SCALE)