

FEDERAL AVIATION ADMINISTRATION
OBSTRUCTION DATA FOR ARRIVAL/DEPARTURE OF AIRCRAFT

RALPH M. CALHOUN MEMORIAL AIRPORT

TANANA, ALASKA

ODS 1227

1st EDITION

OC 1227
SURVEYED JUNE 1983
2nd EDITION

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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
C	Nonprecision Instrument Runway with visibility minimums greater than $\frac{3}{4}$ 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
A(V)	Utility runway with visual approach only. 20:1 Slope

ANNOTATION OF SAMPLE OBSTRUCTION DATA

THE DISTANCES AND MAGNETIC BEARINGS COMPUTED FOR THE OBSTRUCTIONS THAT FOLLOW ARE REFERENCED TO THIS POINT

PHYS END RWY 34 D

FAA PART 77 APPROACH CATEGORY FOR WHICH OBSTRUCTION SURVEY WAS PERFORMED

LAT 38 30 22.066N LONG 121 29 34.116W

MEASURED FROM SOUTH

GEODETIC AZIMUTH 168 05 12

ELEV*	A**	OBJECT***	LAT	LONG	M	BRG	DIST	OUTCL	OFFCL
0048	1A	WDI	38 31 04.201	121 29 40.588	354	7	4293	4277	377R
0092	1A	TREE	38 31 33.811	121 30 02.190	343	55	7593	7562	685L

ELEVATION ACCURACY DESCRIPTION

MAGNETIC BEARING DISTANCE

DISTANCE ALONG THE RUNWAY CENTERLINE EXTENDED

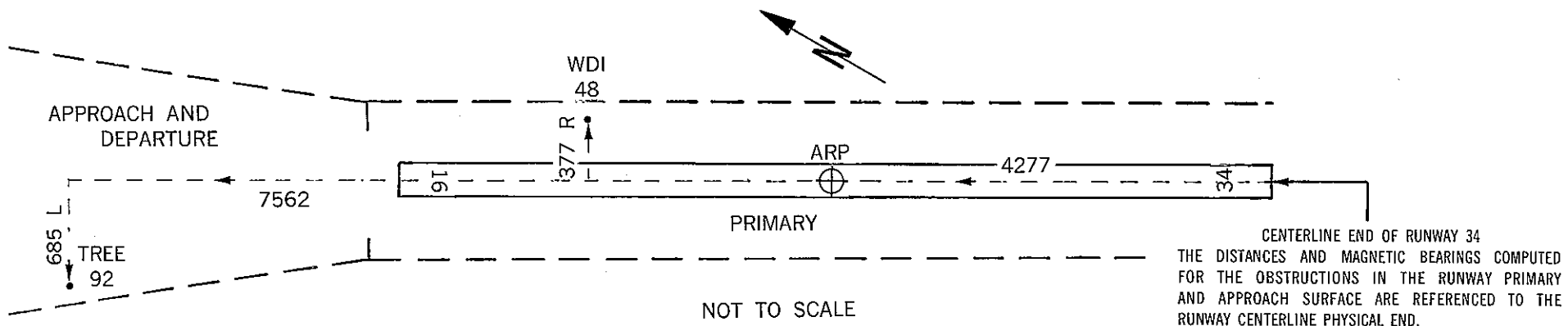
DISTANCE LEFT OR RIGHT OF CENTERLINE

*ALL DISTANCES AND ELEVATIONS ARE IN FEET

** ACCURACY IS CODED AS FOLLOWS

HORIZONTAL (FT)	VERTICAL (FT)
1 = 15	A = 2
2 = 40	B = 5
	C = 20

*** 15 FT ADDED TO NON INTERSTATE ROAD
 17 FT ADDED TO INTERSTATE ROAD
 23 FT ADDED TO RAILROAD



RUNWAY 6 CONDITION BV LAT 65 10 29.471N LONG 152 7 16.156W GEODETIC AZIMUTH 269 18 19

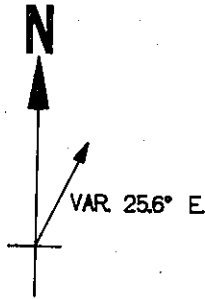
ELEV	A	OBJECT	LAT		LONG		M	BRG	DIST	OUTCL	OFFCL		
259	1A	TREE	65	10	27.248N	152	7	14.786W	139	53	233	56	227R
264	1A	TREE	65	10	32.038N	152	7	14.172W	352	24	274	88	260L
247	1A	PARKED A/C	65	10	27.739N	152	6	55.872W	75	53	884	864	186R
236	1A	BUSH	65	10	31.934N	152	6	50.767W	51	24	1113	1087	237L
263	1A	ANT ON BLDG	65	10	27.263N	152	6	26.385W	70	25	2138	2123	250R
256	1A	TREE	65	10	32.115N	152	6	19.917W	58	1	2417	2405	240L
259	1A	TREE	65	10	31.673N	152	5	55.297W	60	41	3461	3456	182L
234	1A	TREE	65	10	28.164N	152	5	49.681W	66	27	3696	3692	177R
256	1A	TREE	65	10	31.575N	152	5	39.452W	61	26	4136	4133	165L
254	1A	TREE	65	10	28.362N	152	5	35.005W	65	53	4322	4319	164R
266	1A	TREE	65	10	32.126N	152	5	31.818W	60	55	4465	4459	217L
262	1A	TREE	65	10	27.688N	152	5	31.148W	66	42	4489	4483	235R
261	1A	TREE	65	10	32.666N	152	5	23.341W	60	32	4830	4822	267L
255	1A	TREE	65	10	28.413N	152	5	21.008W	65	38	4920	4917	166R
263	1A	TREE	65	10	32.220N	152	5	13.163W	61	20	5261	5256	217L

ARP 1983 LAT 65 10 29.731N LONG 152 6 24.789W GEODETIC AZIMUTH 0 0 0

ELEV	A	OBJECT	LAT		LONG		M	BRG	DIST		
249	1A	WINDSOCK	65	10	26.380N	152	6	20.306W	125	3	391
294	1A	ANT ON TOWER	65	10	26.322N	152	6	29.481W	184	27	400
271	1A	TREE	65	10	32.603N	152	6	41.986W	266	4	790
253	1A	ANT ON BLDG	65	10	25.784N	152	6	49.893W	223	54	1145
269	1A	TREE	65	10	32.322N	152	6	54.860W	255	59	1311
260	1A	TREE	65	10	26.762N	152	7	20.429W	237	10	2396
399	1B	TREE	65	11	1.450N	152	8	37.883W	273	58	6534

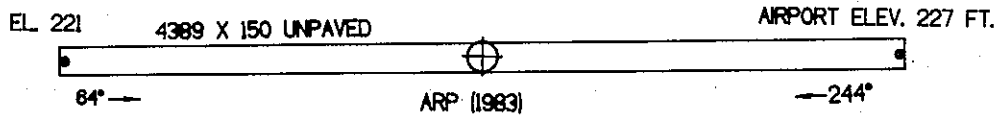
RUNWAY 24 CONDITION BV LAT 65 10 29.985N LONG 152 5 33.421W GEODETIC AZIMUTH 87 36 0

ELEV	A	OBJECT	LAT		LONG		M	BRG	DIST	OUTCL	OFFCL		
254	1A	TREE	65	10	28.362N	152	5	35.005W	176	42	178	74	162L
256	1A	TREE	65	10	31.575N	152	5	39.452W	276	29	304	251	172R
234	1A	TREE	65	10	28.164N	152	5	49.681W	229	29	719	702	156L
259	1A	TREE	65	10	31.673N	152	5	55.297W	254	48	950	926	211R
256	1A	TREE	65	10	32.115N	152	6	19.917W	250	38	1998	1975	300R
263	1A	ANT ON BLDG	65	10	27.263N	152	6	26.385W	237	26	2279	2272	181L
236	1A	BUSH	65	10	31.934N	152	6	50.767W	247	50	3310	3292	337R
247	1A	PARKED A/C	65	10	27.739N	152	6	55.872W	240	42	3529	3528	80L
264	1A	TREE	65	10	32.038N	152	7	14.172W	247	11	4308	4291	390R
259	1A	TREE	65	10	27.248N	152	7	14.786W	240	44	4339	4338	96L
235	1A	ROAD (N)	65	10	28.208N	152	7	20.678W	242	9	4585	4585	13R
256	1A	TREE	65	10	31.792N	152	7	23.559W	246	39	4708	4692	382R
235	1A	BUSH	65	10	27.604N	152	7	26.135W	241	32	4821	4820	39L
271	1B	TREE	65	10	31.745N	152	7	43.946W	246	15	5578	5563	414R



TOUCHDOWN ZONE

RUNWAY	ELEVATION
6	226
24	227



RALPH M. CALHOUN MEMORIAL AIRPORT
TANANA, ALASKA
(NOT TO SCALE)