

OBSTRUCTION DATA SHEET

ODS 1238
KODIAK AIRPORT
KODIAK, ALASKA

DIGITIZED FROM

OC 1238
SURVEYED JUNE 1987
3RD EDITION



PREPARED AND DISTRIBUTED BY
THE NATIONAL OCEAN SERVICE
U.S. DEPARTMENT OF COMMERCE
FOR THE FEDERAL AVIATION ADMINISTRATION

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:

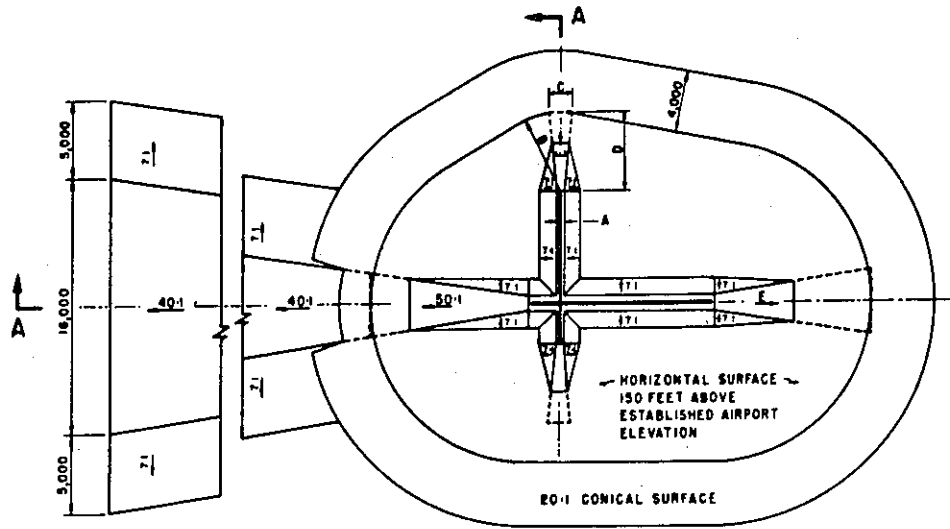
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the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

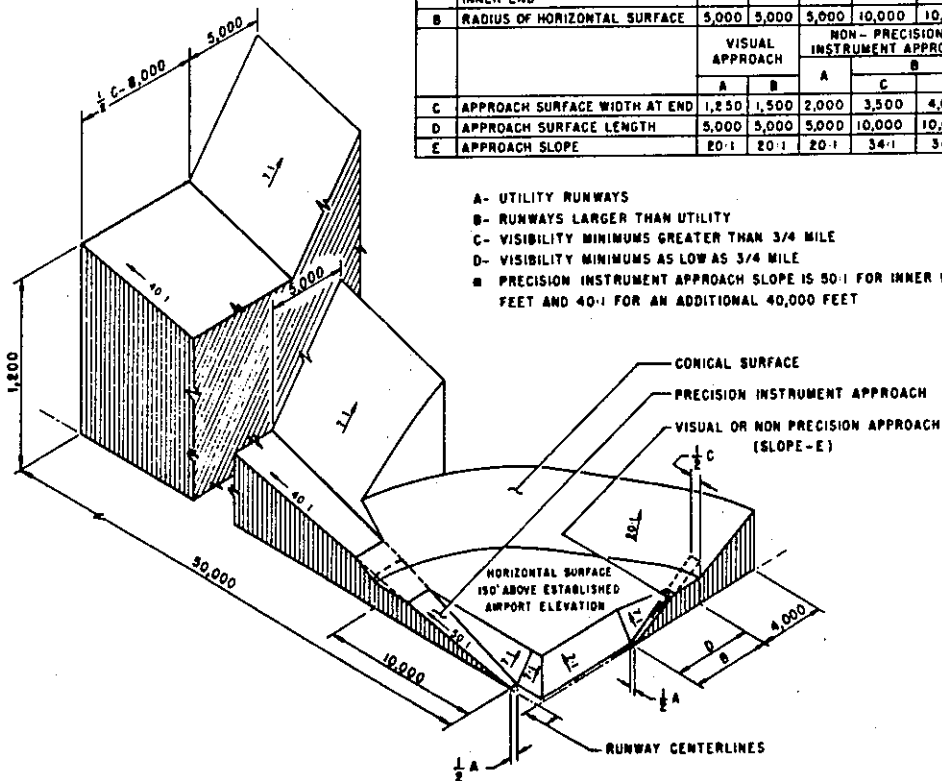
A(V) Utility runway - visual approach only
 A(NP) Utility runway - nonprecision instrument approach
 B(V) Nonutility runway - visual approach only
 C Nonutility runway - nonprecision instrument approach with
 visibility minimums greater than 3/4 mile
 D Nonutility runway - nonprecision instrument approach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

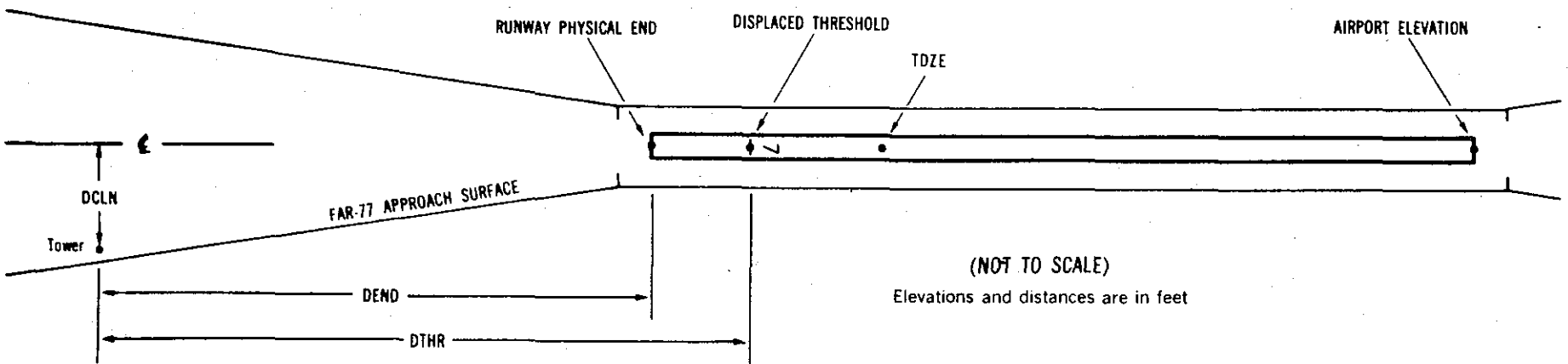
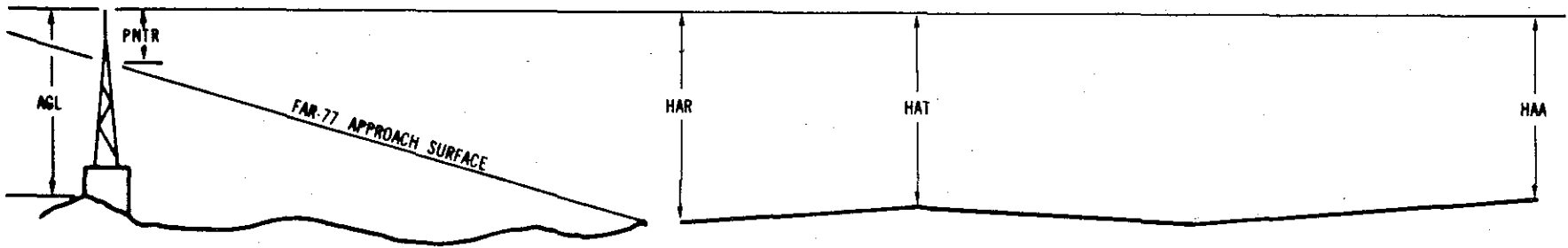
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

	x ¹	x ² XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXXXX.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
XXXXXXXXXXXX		XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX		XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	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 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 ± 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 73

7 SUPLC 73/73 574510.626N 15231 0.796W 2715953

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	574504.57	1522844.49	1A	24		-49	-49	-49	-7413		354R	9
OL ON LTD WSK	574510.82	1522845.81	1A	43		-30	-30	-30	-7319		277L	28
BUSH	574504.55	1522852.46	1A	25		-48	-48	-48	-6982		372R	9
OL ON BUILDING	574512.73	1522857.00	1A	42		-31	-31	-31	-6706		449L	25
OL ON MONTR POL	574505.64	1522901.32	1A	38		-35	-35	-35	-6497		278R	20
OL GLIDE SLOPE	574505.36	1522908.25	1A	78		5	5	5	-6122		320R	59
TREE	574513.33	1522908.46	1A	61		-12	-12	-12	-6082		488L	42
TREE	574513.02	1522930.85	1A	76		3	3	3	-4869		414L	51
CAMERA	574506.65	1522940.44	1A	38		-35	-35	-35	-4372		250R	10
TREE	574504.61	1523002.27	1A	125		52	52	52	-3195		499R	86
TREE	574513.89	1523025.48	1A	143		70	70	70	-1904		398L	87
TREE	574506.59	1523054.78	1A	116		43	43	43	-341		398R	45
TREE	574514.20	1523100.04	1A	140		67	67	67	-28		364L	67
BLAST FENCE	574509.86	1523101.30	1A	80		7	7	7	25		79R	7
TREE	574508.27	1523103.86	1A	100		27	27	27	158		245R	27
TREE	574513.84	1523104.53	1A	163		90	90	90	214		319L	90
GROUND	574518.74	1523246.46	1B	2484		2411	2411	2411	5758		625L	2248
GROUND	574501.17	1523325.13	1B	1592		1519	1519	1519	7794		1230R	1296
GROUND	574522.42	1523332.51	1B	2440		2367	2367	2367	8268		912L	2130

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AIRPORT ELEVATION 73

25 PIR 15/27 574508.012N 1522841.779W 0920150

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	574513.84	1523104.53	1A	163		148	136	90	-7762		319R	90
TREE	574508.27	1523103.86	1A	100		85	73	27	-7706		245L	27
BLAST FENCE	574509.86	1523101.30	1A	80		65	53	7	-7573		79L	7
TREE	574514.20	1523100.04	1A	140		125	113	67	-7520		364R	67
TREE	574506.59	1523054.78	1A	116		101	89	43	-7208		398L	45
TREE	574513.89	1523025.48	1A	143		128	116	70	-5645		398R	87
TREE	574504.61	1523002.27	1A	125		110	98	52	-4353		499L	86
CAMERA	574506.65	1522940.44	1A	38		23	11	-35	-3176		250L	10
TREE	574513.02	1522930.85	1A	76		61	49	3	-2679		414R	51
TREE	574513.33	1522908.46	1A	61		46	34	-12	-1466		488R	42
OL GLIDE SLOPE	574505.36	1522908.25	1A	78		63	51	5	-1426		320L	59
OL ON MONTR FOL	574505.64	1522901.32	1A	38		23	11	-35	-1051		278L	20
OL ON BUILDING	574512.73	1522857.00	1A	42		27	15	-31	-842		449R	25
BUSH	574504.55	1522852.46	1A	25		10	-2	-48	-567		372L	9
OL ON LTD WSK	574510.82	1522845.81	1A	43		28	16	-30	-229		277R	28
BUSH	574504.57	1522844.49	1A	24		9	-3	-49	-135		354L	9

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AIRPORT ELEVATION 73

10 SUPLC 31/31 574520.433N 15230 0.464W 3070014

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	FNTR
GROUND	574446.86	1522843.41	1A	23		-8	-8	-50	-5390		204R	2
TREE	574452.83	1522843.83	1A	51		20	20	-22	-5007		266L	29
BUSH	574449.12	1522849.66	1A	38		7	7	-35	-4982		225R	16
TREE	574454.78	1522849.53	1A	56		25	25	-17	-4641		238L	34
BUSH	574451.28	1522856.32	1A	61		30	30	-12	-4561		268R	39
BUSH	574522.58	1523000.33	1A	48		17	17	-25	125		178L	17
TREE	574520.03	1523007.85	1A	76		45	45	3	295		274R	42
TREE	574523.27	1523004.01	1A	62		31	31	-11	327		114L	27
TREE	574520.48	1523009.57	1A	108		77	77	35	398		294R	71
TREE	574524.88	1523006.56	1A	91		60	60	18	536		161L	50
TREE	574525.06	1523009.73	1A	92		61	61	19	684		73L	47
TREE	574522.83	1523016.30	1A	130		99	99	57	833		323R	80
TREE	574529.05	1523012.76	1A	131		100	100	58	1059		297L	75
GROUND	574545.68	1523125.58	1A	209		178	178	136	5231		732R	30
TRANSMISSION TR	574604.37	1523119.27	1B	284		253	253	211	6098		989L	80
TREE	574551.16	1523148.87	1B	360		329	329	287	6574		1048R	142
TRANSMISSION TR	574609.80	1523154.80	1A	278		247	247	205	7969		270L	19
BUSH	574606.25	1523202.40	1B	252		221	221	179	8082		265R	-11
TRANSMISSION TR	574611.55	1523206.18	1A	288		257	257	215	8569		41L	11
GROUND	574602.30	1523233.60	1B	628		597	597	555	9193		1604R	333
BUSH	574603.15	1523233.83	1A	603		572	572	530	9254		1542R	306
GROUND	574621.73	1523223.36	1B	320		289	289	247	9935		306L	3

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AIRPORT ELEVATION 73

28 SUPLC 21/25 574448.415N 1522841.029W 1270121

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	574522.58	1523000.33	1A	48		27	23	-25	-5524		178R	17
BUSH	574451.28	1522856.32	1A	61		40	36	-12	-838		268L	39
TREE	574454.78	1522849.53	1A	56		35	31	-17	-757		238R	34
BUSH	574449.12	1522849.66	1A	38		17	13	-35	-417		225L	16
TREE	574452.83	1522843.83	1A	51		30	26	-22	-391		266R	29
GROUND	574446.86	1522843.41	1A	23		2	-2	-50	-8		204L	2

36 SUPLC 30/30 574427.686N 1522925.580W 2022019

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE POST	574514.44	1522851.82	1A	21		-9	-9	-52	-5086		109L	6
BUSH	574504.55	1522852.46	1A	25		-5	-5	-48	-4144		240R	7
OL ON MONTR POL	574505.64	1522901.32	1A	38		8	8	-35	-4064		247L	20
TREE	574459.25	1522856.04	1A	42		12	12	-31	-3572		265R	21
ELECTRICAL BOX	574438.33	1522922.32	1A	35		5	5	-38	-1066		247L	5
TREE	574433.80	1522916.88	1A	67		37	37	-6	-754		201R	37
ROAD (N)	574427.05	1522922.92	1A	44		14	14	-29	5		158R	14
ROAD (N)	574426.29	1522929.33	1A	41		11	11	-32	209		134L	11
TREE	574403.77	1522940.20	1A	112		82	82	39	2547		188R	13
TREE	574359.79	1522945.53	1A	134		104	104	61	3030		74R	21
TREE	574358.74	1522954.75	1A	140		110	110	67	3319		348L	18

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AIRPORT ELEVATION 73

18 SUPLC 15/30 574513.348N 1522850.481W 0222049

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	574426.29	1522929.33	1A	41		26	11	-32	-5219		134R	11
ROAD (N)	574427.05	1522922.92	1A	44		29	14	-29	-5015		158L	14
TREE	574433.80	1522916.88	1A	67		52	37	-6	-4257		201L	37
ELECTRICAL BOX	574438.33	1522922.32	1A	35		20	5	-38	-3945		247R	5
TREE	574459.25	1522856.04	1A	42		27	12	-31	-1439		265L	21
OL ON MONTR POL	574505.64	1522901.32	1A	38		23	8	-35	-947		247R	20
BUSH	574504.55	1522852.46	1A	25		10	-5	-48	-867		240L	7
FENCE POST	574514.44	1522851.82	1A	21		6	-9	-52	75		109R	6
TREE	574531.35	1522846.10	1A	109		94	79	36	1781		475R	48
TREE	574536.96	1522843.61	1A	219		204	189	146	2358		566R	141
TREE	574538.76	1522838.47	1A	222		207	192	149	2634		378R	135
TREE	574540.65	1522833.12	1A	182		167	152	109	2921		182R	87
TREE	574556.77	1522821.32	1A	313		298	283	240	4678		213R	166
TREE	574617.25	1522747.65	1B	264		249	234	191	7295		686L	40
TREE	574617.77	1522741.69	1B	279		264	249	206	7467		964L	50
TREE	574623.83	1522748.70	1B	308		293	278	235	7891		379L	67
TREE	574635.44	1522719.17	1B	352		337	322	279	9591		1411L	61
POLE	574646.67	1522758.69	2C	832		817	802	759	9829		1004R	534
GROUND	574651.80	1522804.49	2C	1084		1069	1054	1011	10191		1493R	775

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AIRPORT ELEVATION 73

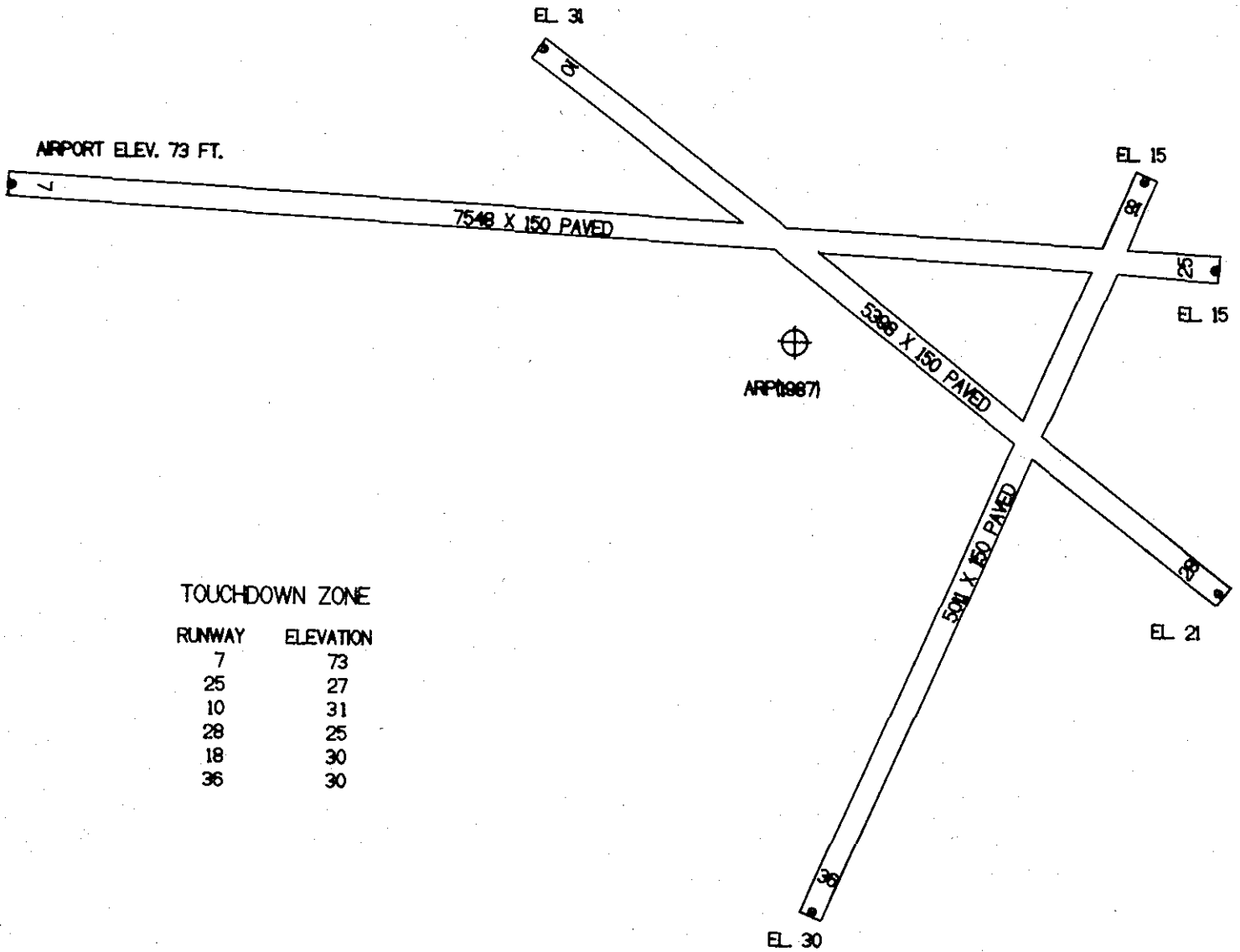
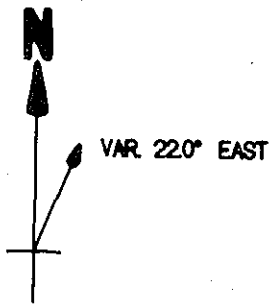
ARP 574502.604N 1522930.034W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	574503.81	1522939.49	1A	59		-14	261 22	528
TREE	574502.68	1522946.80	1A	88		15	248 31	910
ANT ON CTL TWR	574451.14	1522928.05	1A	157		84	152 43	1169
BUSH	574446.78	1522904.91	1A	72		-1	117 40	2107
AIRPORT BEACON	574458.16	1523008.53	1A	182		109	235 49	2137
TREE	574521.50	1522951.01	1A	74		1	307 20	2230
TREE	574524.89	1522958.67	1A	89		16	303 31	2744
TREE	574504.25	1523020.66	1A	172		99	251 30	2752
OL POLE	574446.81	1522847.21	1A	71		-2	102 36	2823
TREE	574432.34	1522932.70	1A	105		32	160 42	3075
WSK ON OL POLE	574433.54	1522913.64	1A	80		7	141 13	3082
TREE	574520.84	1523016.39	1A	149		76	284 21	3123
TREE	574515.24	1523022.93	1A	154		81	272 5	3144
TREE	574528.52	1522858.01	1A	174		101	11 27	3153
TREE	574504.17	1523031.10	1A	167		94	250 45	3317
TREE	574530.18	1523003.62	1A	252		179	304 56	3340
OL ANTENNA	574431.58	1522909.14	1A	99		26	138 12	3347
TREE	574426.89	1522936.29	1A	60		-13	163 21	3641
TREE	574538.31	1522851.42	1A	323		250	8 2	4186
TREE	574456.33	1523047.44	1B	246		173	239 24	4249
TREE	574503.63	1523048.93	1A	175		102	249 24	4283
TREE	574608.39	1522908.52	1B	262		189	347 55	6778
TREE	574617.23	1523024.03	1B	262		189	316 52	8121
TREE	574623.64	1523006.52	1B	308		235	324 28	8460
GROUND	574421.24	1523146.62	1B	1167		1094	218 30	8519
BUSH	574612.50	1523058.28	1B	228		155	304 0	8559
TREE	574634.88	1522931.96	1B	400		327	337 22	9367
TREE	574642.34	1523029.10	1B	359		286	320 27	10618
TREE	574328.76	1522735.31	2C	302		229	124 49	11381
GROUND	574404.76	1523249.69	1B	1379		1306	219 35	12325
GROUND	574655.04	1522758.60	2C	1129		1056	1 29	12443
OL RADIO T	574632.80	1523207.13	1A	556	468	483	295 4	12508
GROUND	574714.21	1522931.49	2C	1148		1075	337 40	13358

AIRPORT ELEVATION 73

ARF 574502.604N 1522930.034W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
GROUND	574535.21	1523336.55	1B	1587		1514	261 56	13779
GROUND	574352.53	1523311.19	2C	1423		1350	217 23	13953
OL RADIO T	574656.44	1523207.25	2A	704	619	631	301 35	14360
GROUND	574726.91	1523031.92	2C	1078		1005	325 6	15026
TREE	574713.57	1523155.41	2C	430		357	307 20	15456
GROUND	574712.55	1522651.34	2C	1135		1062	11 7	15749
GROUND	574428.07	1523434.16	2C	1761		1688	236 3	16874
GROUND	574441.97	1523453.64	2C	2290		2217	241 14	17687
GROUND	574544.05	1523507.78	2C	1300		1227	260 58	18802
GROUND	574457.68	1523521.25	2C	2435		2362	246 32	19066



TOUCHDOWN ZONE

RUNWAY	ELEVATION
7	73
25	27
10	31
28	25
18	30
36	30

KODIAK AIRPORT
 KODIAK, ALASKA
 (NOT TO SCALE)