

OBSTRUCTION DATA SHEET

**ODS 6786
COLUMBIA AIRPORT
COLUMBIA, CALIFORNIA**

DIGITIZED FROM

**OC 6786
SURVEYED MARCH 1992
1ST EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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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.

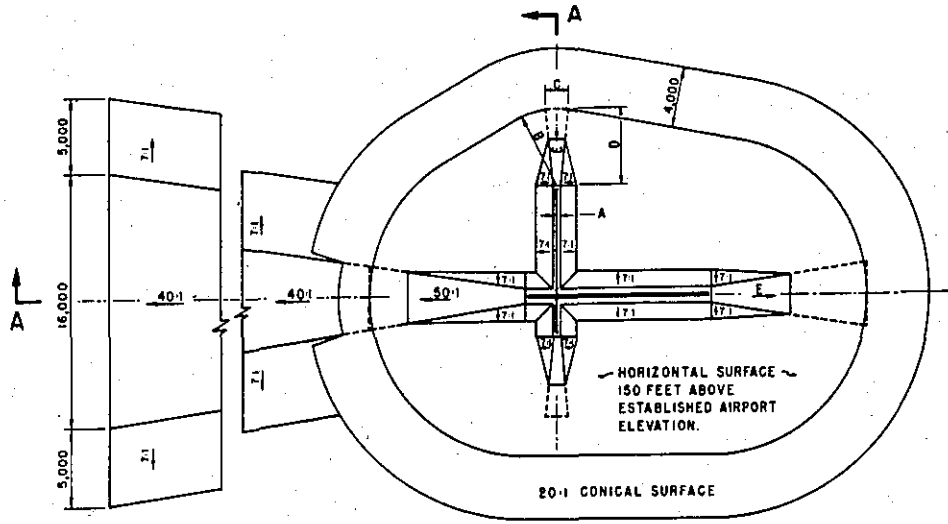
ODS information is arranged as follows:

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:

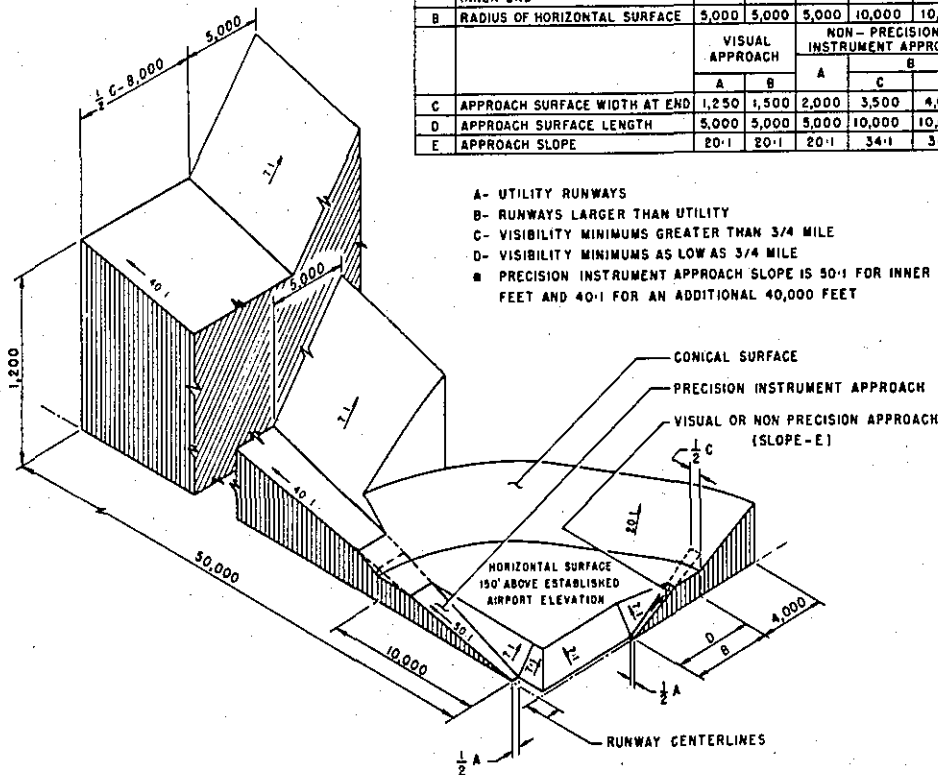
- A(V) Utility runway - visual approach only
- A(NP) Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway- nonprecision instrument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

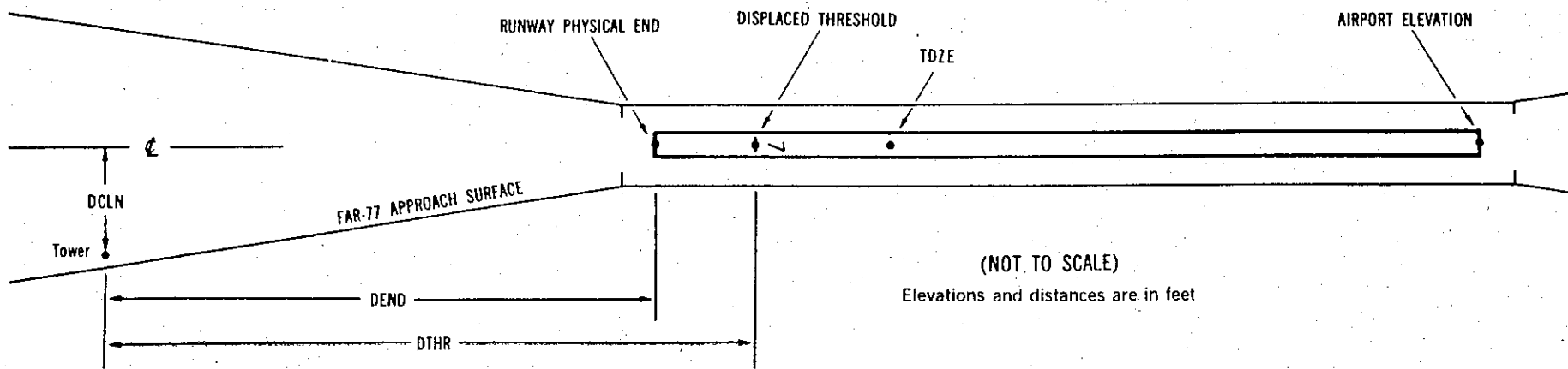
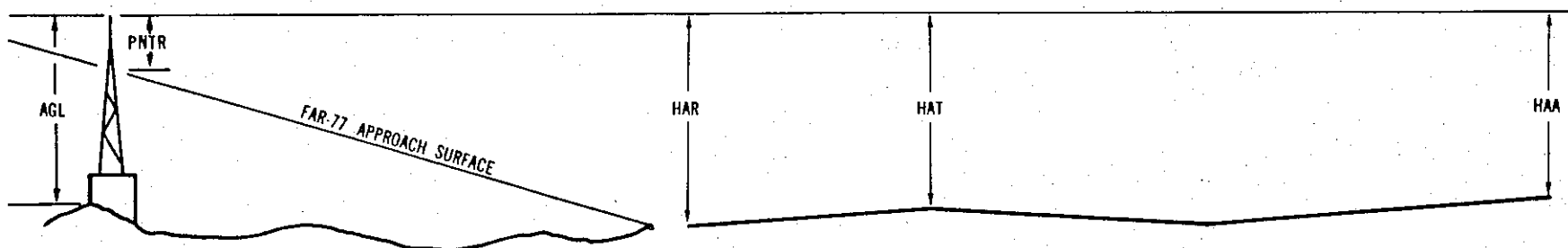
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X ¹	X ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXX 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	



(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 Vertical
 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 PTNR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

AIRPORT ELEVATION 2118

35	SUPLC	2071/	380126.561	-1202452.147	101012.	2071/2103	380132.292	-1202450.847						
OBJECT			LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND			380213.77	-1202444.11	1A	2127		56	24	9	-4814	-4225	211L	10
TREE			380212.01	-1202439.26	1A	2174		103	71	56	-4707	-4118	203R	58
BUSH			380208.81	-1202445.44	1A	2140		69	37	22	-4301	-3712	226L	29
BUSH			380206.23	-1202440.29	1A	2137		66	34	19	-4118	-3529	225R	28
GROUND			380202.61	-1202446.27	1A	2108		37	5	-10	-3673	-3084	181L	4
GROUND			380201.27	-1202441.13	1A	2116		45	13	-2	-3612	-3023	247R	12
GROUND			380153.58	-1202442.93	1A	2102		31	-1	-16	-2821	-2232	243R	7
SIGN			380137.13	-1202446.85	1A	2080		9	-23	-38	-1128	-539	228R	6
OL ON HANGAR			380137.32	-1202452.84	1A	2088		17	-15	-30	-1062	-473	247L	14
GROUND			380132.09	-1202453.85	1A	2078		7	-25	-40	-526	63	233L	5
BUSH			380130.03	-1202448.23	1A	2090		19	-13	-28	-400	189	246R	18
BUSH			380128.93	-1202454.57	1A	2084		13	-19	-34	-202	387	233L	12
BUSH			380126.61	-1202454.66	1A	2083		12	-20	-35	30	619	199L	12
TREE			380122.53	-1202450.04	1A	2096		25	-7	-22	372	961	238R	20
TREE			380121.03	-1202450.61	1A	2120		49	17	2	529	1118	220R	40
TREE			380118.45	-1202453.34	1A	2123		52	20	5	825	1414	51R	34
BUSH			380118.85	-1202456.50	1A	2107		36	4	-11	830	1419	205L	18
TREE			380114.56	-1202451.58	1A	2144		73	41	26	1187	1776	259R	44
TREE			380112.17	-1202458.45	1A	2132		61	29	14	1521	2110	239L	23
OL ON APBN			380028.49	-1202459.76	2C	2251		180	148	133	5889	6478	437R	13

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AIRPORT ELEVATION 2118

17 SUPLC 2118/ 380211.997 -1202441.841 1901018. 2109/2109 380206.211 -1202443.154

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	380126.61	-1202454.66	1A	2083		-35	-26	-35	-4700	-4105	199R	12
BUSH	380128.93	-1202454.57	1A	2084		-34	-25	-34	-4467	-3873	233R	12
BUSH	380130.03	-1202448.23	1A	2090		-28	-19	-28	-4269	-3674	246L	18
GROUND	380132.09	-1202453.85	1A	2078		-40	-31	-40	-4143	-3548	233R	5
OL ON HANGAR	380137.32	-1202452.84	1A	2088		-30	-21	-30	-3608	-3013	247R	14
SIGN	380137.13	-1202446.85	1A	2080		-38	-29	-38	-3542	-2947	228L	6
GROUND	380153.58	-1202442.93	1A	2102		-16	-7	-16	-1849	-1254	243L	7
GROUND	380201.27	-1202441.13	1A	2116		-2	7	-2	-1058	-463	247L	12
GROUND	380202.61	-1202446.27	1A	2108		-10	-1	-10	-997	-402	181R	4
BUSH	380206.23	-1202440.29	1A	2137		19	28	19	-552	43	225L	28
BUSH	380208.81	-1202445.44	1A	2140		22	31	22	-368	226	226R	29
TREE	380212.01	-1202439.26	1A	2174		56	65	56	38	632	203L	58
GROUND	380213.77	-1202444.11	1A	2127		9	18	9	144	739	211R	10
GROUND	380215.42	-1202443.90	1A	2148		30	39	30	311	906	223R	27
GROUND	380217.84	-1202441.99	1A	2162		44	53	44	580	1175	116R	33
TREE	380218.58	-1202444.06	1A	2199		81	90	81	624	1219	292R	69
BUSH	380220.31	-1202443.75	1A	2199		81	90	81	801	1395	298R	64
TREE	380219.66	-1202436.11	1A	2203		85	94	85	844	1439	315L	66
TREE	380221.25	-1202442.11	1A	2195		77	86	77	917	1512	186R	56
TREE	380222.80	-1202436.84	1A	2206		88	97	88	1147	1741	201L	61
TREE	380225.08	-1202433.68	1A	2252		134	143	134	1418	2012	409L	99
TREE	380226.71	-1202436.96	1A	2209		91	100	91	1533	2128	122L	52
TREE	380326.15	-1202417.42	2C	2606		488	497	488	7728	8322	598L	267
TREE	380326.25	-1202413.39	2C	2631		513	522	513	7795	8389	913L	290

OC6786

AIRPORT ELEVATION 2118

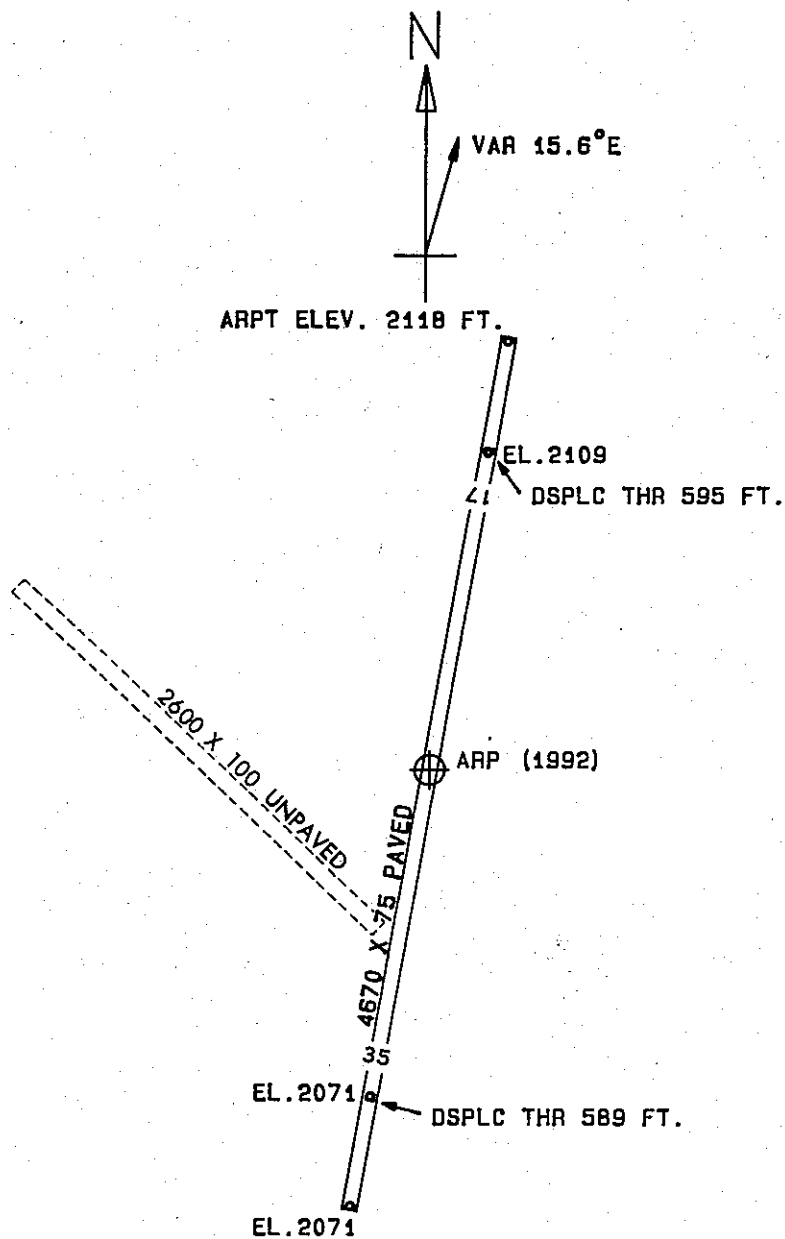
ARP 380149.279 -1202446.994

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
NDB	380151.65	-1202449.84	1A	2124		6	30049	331
OL ON LTD WINDSOCK	380147.49	-1202450.76	1A	2104		-14	22323	351
TREE	380150.95	-1202452.87	1A	2146		28	27412	500
TREE	380156.27	-1202441.94	1A	2139		21	1409	814
OL ON HANGAR	380139.80	-1202452.79	1A	2094		-24	19014	1065
TREE	380158.92	-1202440.26	1A	2190		72	1320	1114
TREE	380136.32	-1202446.20	1A	2099		-19	16137	1312
TREE	380138.35	-1202500.65	1A	2203		85	20903	1555
TREE	380204.26	-1202453.43	1A	2213		95	32538	1600
POLE	380133.52	-1202458.28	1A	2127		9	19355	1832
TREE	380207.57	-1202447.24	1A	2183		65	34347	1851
TREE	380206.28	-1202438.09	1A	2220		102	654	1861
TREE	380209.32	-1202450.07	1A	2234		116	33728	2042
TREE	380128.10	-1202444.99	1B	2136		18	16007	2148
TREE	380211.97	-1202447.60	1A	2223		105	34311	2296
TREE	380212.12	-1202436.16	1A	2231		113	457	2468
TREE	380124.28	-1202448.81	1A	2100		-18	16741	2533
BUSH	380130.27	-1202507.90	1A	2300		182	20525	2549
TREE	380125.99	-1202506.88	1A	2307		189	19826	2843
POLE	380122.31	-1202457.78	1A	2122		4	18157	2861
TREE	380122.79	-1202459.80	1A	2162		44	18519	2869
TREE	380219.05	-1202445.21	1A	2234		116	34707	3015
TREE	380118.70	-1202448.02	1A	2171		53	16555	3095
POLE	380128.89	-1202517.86	1B	2305		187	21432	3218
TREE	380145.89	-1202405.79	1B	2372		254	8020	3315
TREE	380120.20	-1202506.19	1A	2267		149	19158	3318
TREE	380222.67	-1202430.50	1A	2271		153	544	3626
TREE	380113.45	-1202448.84	1A	2181		63	16643	3627
TREE	380223.66	-1202433.82	1A	2250		132	115	3634
TREE	380113.51	-1202501.24	1A	2147		29	18153	3793
TREE	380143.09	-1202357.36	1B	2447		329	8321	4020

AIRPORT ELEVATION 2118

ARP 380149.279 -1202446.994

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	380111.98	-1202507.18	1A	2238		120	18734	4104
TREE	380112.61	-1202509.64	1A	2272		154	19025	4128
TREE	380222.39	-1202517.61	1B	2392		274	30813	4150
TREE	380226.02	-1202513.31	1B	2403		285	31451	4271
TREE	380157.68	-1202540.84	1B	2379		261	26533	4391
TREE	380149.36	-1202542.69	1B	2393		275	25430	4456
TREE	380103.48	-1202444.86	1A	2262		144	16217	4635
TREE	380102.96	-1202436.75	1B	2267		149	15428	4757
TREE	380154.06	-1202546.65	1B	2409		291	26011	4797
OL ON BUILDING	380148.51	-1202547.11	1B	2369		251	25328	4810
TREE	380226.41	-1202530.17	1B	2387		269	30147	5102
TREE	380149.90	-1202554.61	2C	2366		248	25504	5410
TREE	380101.53	-1202546.68	1B	2319		201	20905	6792
TREE	380137.34	-1202310.01	1B	2499		381	8314	7853
TREE	380047.93	-1202556.21	2C	2349		231	20609	8318
TREE	380305.15	-1202353.60	2C	2744		626	1329	8783
TREE	380322.54	-1202359.45	2C	2697		579	621	10172



TOUCHDOWN ZONE	RUNWAY ELEVATION
35	2103
17	2118

COLUMBIA AIRPORT
 COLUMBIA, CALIFORNIA
 (NOT TO SCALE)