



Olympia Regional Airport

DRAFT

APPENDIX 3-1

OLM WIND DATA

All Weather Windrose

No of Runways: 2

	Runway 1	Runway 2
Runway Orientation:	357.4	89.4
Crosswind Component:	10.5	10.5
Tailwind Component:	60	60

Note: Use a 60 knot tailwind to indicate runway is bi-directional.

Wind Coverage: 99.84%

Hourly Observations of Wind Speed (knots)

Direction	0-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	>41	Total
10°	496	1855	349	63	3	0	1	1	1	2769
20°	588	2268	533	153	2	0	0	0	0	3544
30°	557	1995	635	173	1	0	0	0	0	3361
40°	500	1443	383	95	2	0	0	0	0	2423
50°	354	1016	283	68	0	0	0	0	0	1721
60°	273	728	195	26	0	0	0	0	0	1222
70°	225	483	101	19	0	0	0	0	0	828
80°	186	326	41	6	0	0	0	0	0	559
90°	211	264	17	2	0	0	0	0	0	494
100°	210	193	10	3	0	0	0	0	0	416
110°	274	191	3	2	0	0	0	0	0	470
120°	399	217	1	1	0	0	0	0	0	618
130°	504	281	10	0	0	0	0	0	0	795
140°	497	312	7	5	0	0	0	0	0	821
150°	628	368	20	8	2	0	0	0	0	1026
160°	707	532	70	29	2	0	0	0	0	1340
170°	838	1094	356	274	44	3	1	0	1	2611
180°	947	1901	1126	1284	310	23	3	0	0	5594
190°	1029	3958	2436	1929	270	16	0	0	0	9638
200°	1033	5619	3665	1796	154	4	0	0	0	12271
210°	887	5447	3272	1191	43	3	0	0	0	10843

220°	692	4097	1908	621	16	1	0	0	0	7335
230°	603	2788	1160	475	16	0	0	0	0	5042
240°	540	2086	938	435	18	0	0	0	0	4017
250°	491	1398	672	383	16	0	0	0	0	2960
260°	430	973	497	329	12	0	0	0	0	2241
270°	355	634	300	180	10	1	0	0	0	1480
280°	222	373	187	106	3	0	0	0	0	891
290°	229	281	85	43	2	0	0	0	0	640
300°	140	218	53	23	2	0	0	0	0	436
310°	114	173	56	9	0	0	0	0	0	352
320°	120	279	60	3	0	0	0	0	0	462
330°	202	384	70	2	0	0	0	0	0	658
340°	259	531	79	7	0	0	0	0	0	876
350°	291	792	123	5	0	0	0	0	0	1211
360°	403	1131	206	26	0	1	0	0	5	1772
Calm	51512									
Total	67946	46629	19907	9774	928	52	5	1	7	145249

Source: "727920 OLYMPIA AIRPORT ANNUAL PERIOD RECORD 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020"

All Weather Windrose

No of Runways: 2

	Runway 1	Runway 2
Runway Orientation:	357.4	89.4
Crosswind Component:	13	13
Tailwind Component:	60	60

Note: Use a 60 knot tailwind to indicate runway is bi-directional.

Wind Coverage: 99.99%

Hourly Observations of Wind Speed (knots)

Direction	0-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	>41	Total
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