

91165 PHLI Lihue Observations at 00Z 24 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1013.0	30	29.2	21.2	62	15.92	65	12	301.2	348.3	304.1
1000.0	147	26.6	18.6	61	13.67	65	13	299.8	340.0	302.2
987.0	262	24.4	17.4	65	12.83	58	14	298.7	336.2	301.0
982.2	305	24.0	17.3	66	12.83	55	15	298.7	336.3	301.0
951.0	587	21.4	16.8	75	12.82	55	15	298.8	336.4	301.1
948.5	610	21.2	16.7	75	12.74	55	15	298.8	336.2	301.1
925.0	827	19.2	15.4	79	12.03	60	14	298.9	334.2	301.1
915.7	914	18.6	14.7	78	11.60	60	14	299.2	333.3	301.3
903.0	1034	17.8	13.7	77	11.03	64	13	299.6	332.1	301.5
894.0	1120	17.6	11.6	68	9.68	67	12	300.2	328.9	302.0
883.7	1219	17.1	10.8	67	9.29	70	11	300.6	328.3	302.3
850.0	1550	15.2	8.2	63	8.09	65	10	302.1	326.4	303.5
822.4	1829	13.8	5.3	56	6.84	60	13	303.5	324.3	304.7
814.0	1916	13.4	4.4	54	6.48	53	12	303.9	323.7	305.1
809.0	1968	13.8	0.8	41	5.04	49	12	304.9	320.5	305.8
793.2	2134	14.5	-7.7	21	2.71	35	11	307.4	316.1	307.9
792.0	2147	14.6	-8.4	20	2.57	34	11	307.6	315.9	308.1
770.0	2385	14.6	-6.4	23	3.09	19	13	310.1	320.1	310.6
767.0	2418	14.4	-4.6	27	3.56	16	14	310.2	321.7	310.9
765.1	2438	14.2	-2.3	32	4.24	15	14	310.2	323.7	310.9
759.0	2506	13.4	5.4	58	7.46	12	13	310.0	333.3	311.4
737.9	2743	12.4	1.8	49	5.96	0	10	311.4	330.3	312.6
710.0	3066	11.0	-3.0	37	4.34	18	6	313.4	327.4	314.2
704.0	3137	11.0	-7.0	28	3.23	22	5	314.1	324.8	314.7
700.0	3184	10.6	-5.4	32	3.67	25	4	314.2	326.2	314.9
693.0	3268	10.2	-5.8	32	3.60	27	4	314.6	326.5	315.3
682.0	3400	9.2	-1.8	46	4.94	30	4	315.0	331.0	315.9
664.0	3621	8.4	-12.6	21	2.20	34	5	316.5	323.9	316.9
661.1	3658	8.0	-5.0	40	4.02	35	5	316.4	329.6	317.2
660.0	3671	7.8	-2.2	49	4.96	34	5	316.4	332.5	317.3
653.0	3759	7.2	-1.8	53	5.16	31	5	316.6	333.4	317.6
645.0	3860	6.8	-6.2	39	3.75	27	6	317.3	329.7	318.0
635.0	3988	6.2	-7.8	36	3.36	21	6	318.1	329.3	318.7
613.6	4267	3.9	-9.3	37	3.09	10	7	318.6	328.9	319.2
607.0	4356	3.2	-9.8	38	3.01	358	7	318.7	328.8	319.3
595.0	4517	1.8	-6.2	55	4.06	335	6	318.9	332.4	319.7
590.0	4585	1.6	-9.4	44	3.19	326	5	319.4	330.2	320.1
587.0	4626	1.4	-7.6	51	3.70	320	5	319.7	332.0	320.4
585.0	4654	1.4	-9.6	44	3.17	316	5	320.0	330.7	320.6
572.0	4834	0.4	-8.6	51	3.51	291	4	320.9	332.7	321.6
568.9	4877	0.3	-10.7	43	2.98	285	4	321.3	331.4	321.8
566.0	4919	0.2	-12.8	37	2.54	283	4	321.6	330.3	322.1
554.0	5090	-0.9	-10.9	47	3.02	277	5	322.3	332.6	322.9
539.0	5308	-2.1	-14.1	39	2.40	268	6	323.4	331.7	323.9
512.0	5714	-5.3	-13.3	53	2.69	252	8	324.3	333.6	324.8
503.0	5853	-5.5	-16.5	42	2.10	247	9	325.7	333.1	326.1
500.0	5900	-5.7	-16.7	42	2.08	245	9	326.0	333.4	326.4
487.6	6096	-6.7	-18.5	38	1.83	220	8	327.2	333.7	327.5
485.0	6138	-6.9	-18.9	38	1.78	223	7	327.4	333.8	327.8
468.8	6401	-8.7	-21.8	34	1.43	240	4	328.4	333.6	328.7
444.0	6820	-11.5	-26.5	28	0.99	251	14	330.0	333.7	330.2
416.0	7315	-15.5	-25.9	41	1.12	265	27	331.0	335.2	331.2
408.0	7462	-16.7	-25.7	46	1.16	258	27	331.3	335.6	331.6

400.0	7610	-17.5	-26.5	45	1.10	250	28	332.2	336.3	332.4
399.5	7620	-17.6	-26.6	45	1.10	250	28	332.2	336.3	332.4
397.0	7666	-17.9	-26.9	45	1.07	249	29	332.4	336.4	332.6
390.0	7799	-19.1	-25.1	59	1.28	247	30	332.5	337.2	332.7
387.0	7856	-19.1	-28.1	45	0.98	246	31	333.2	336.9	333.4
383.4	7925	-19.7	-28.7	45	0.94	245	32	333.3	336.8	333.4
378.0	8031	-20.7	-29.7	44	0.87	246	32	333.3	336.6	333.5
370.0	8189	-21.1	-34.1	30	0.58	247	31	334.9	337.1	335.0
359.0	8411	-22.3	-37.3	24	0.43	249	31	336.1	337.9	336.2
353.0	8534	-22.9	-50.9	6	0.10	250	31	337.0	337.4	337.0
332.0	8981	-25.1	-57.1	3	0.05	254	29	339.9	340.1	339.9
326.0	9113	-26.1	-50.1	9	0.12	255	29	340.3	340.8	340.3
324.6	9144	-26.2	-48.4	11	0.15	255	29	340.5	341.2	340.6
318.0	9293	-26.9	-39.9	28	0.38	256	32	341.6	343.2	341.7
313.0	9407	-27.5	-40.5	28	0.36	257	34	342.3	343.8	342.4
300.0	9710	-30.1	-49.1	14	0.15	260	40	342.8	343.5	342.9
294.0	9854	-31.3	-55.3	8	0.07	260	41	343.1	343.4	343.1
274.0	10349	-35.3	-58.3	8	0.05	260	45	344.3	344.6	344.3
263.0	10633	-37.7	-50.7	24	0.14	260	48	344.9	345.4	344.9
250.0	10980	-40.9	-50.9	33	0.14	260	51	345.1	345.8	345.1
218.0	11898	-49.5	-56.5	44	0.08	260	56	345.6	346.0	345.6
211.0	12112	-50.5	-57.5	43	0.08	260	57	347.3	347.6	347.3
202.0	12396	-52.7	-64.7	22	0.03	260	59	348.2	348.3	348.2
200.0	12460	-53.3	-65.3	22	0.03	260	59	348.2	348.3	348.2
198.8	12497	-53.6	-65.5	22	0.03	255	60	348.3	348.4	348.3
174.0	13343	-60.3	-71.3	22	0.01	257	57	350.8	350.9	350.8
172.0	13415	-61.3	-73.3	19	0.01	258	56	350.3	350.4	350.3
150.0	14250	-68.7	-78.7	22	0.01	260	53	351.6	351.6	351.6
147.0	14371	-69.9	-78.9	26	0.01	258	52	351.5	351.5	351.5
140.7	14630	-71.5	-81.4	22	0.00	255	51	353.1	353.1	353.1
140.0	14660	-71.7	-81.7	21	0.00	254	50	353.3	353.3	353.3
128.0	15186	-73.5	-82.5	24	0.00	235	36	359.2	359.2	359.2
126.8	15240	-73.4	-82.8	23	0.00	235	35	360.3	360.3	360.3
125.0	15325	-73.3	-83.3	21	0.00	233	33	362.0	362.0	362.0
123.0	15419	-71.7	-81.7	21	0.00	230	31	366.6	366.6	366.6
118.0	15664	-72.5	-82.5	21	0.00	223	26	369.5	369.5	369.5
115.0	15815	-72.3	-82.3	21	0.00	219	23	372.6	372.6	372.6
114.0	15867	-71.3	-82.3	18	0.00	217	22	375.4	375.4	375.4
109.0	16131	-72.1	-82.1	21	0.00	210	16	378.7	378.8	378.7
105.0	16352	-71.1	-81.1	22	0.01	203	11	384.7	384.7	384.7
102.0	16523	-71.9	-81.9	21	0.00	198	7	386.4	386.4	386.4
100.0	16640	-70.3	-81.3	19	0.01	195	5	391.6	391.7	391.6

Station information and sounding indices

Station identifier: PHLI
 Station number: 91165
 Observation time: 150724/0000
 Station latitude: 21.99
 Station longitude: -159.34
 Station elevation: 30.0
 Showalter index: 7.41
 Lifted index: 1.85

LIFT computed using virtual temperature: 1.48
 SWEAT index: 127.40
 K index: 13.10
 Cross totals index: 13.90
 Vertical totals index: 20.90
 Totals totals index: 34.80
 Convective Available Potential Energy: 0.00

CAPE using virtual temperature: 12.01
Convective Inhibition: 0.00
CINS using virtual temperature: -2.44
Equilibrium Level using virtual temperature: 808.11
LFCT using virtual temperature: 863.17
Bulk Richardson Number: 0.00
Bulk Richardson Number using CAPV: 1.44
Temp [K] of the Lifted Condensation Level: 289.55
Pres [hPa] of the Lifted Condensation Level: 891.15
Mean mixed layer potential temperature: 299.25
Mean mixed layer mixing ratio: 13.38
1000 hPa to 500 hPa thickness: 5753.00
Precipitable water [mm] for entire sounding: 35.93

Description of the [data columns](#) or [sounding indices](#).

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