

# McMurdo Station Daily Observation Worksheet

Date: 01

Time Zulu	Winds			Dew PT	3 hr Temp		Visibility (hrs)					Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low- est CIG	Ceiling (hrs)			Alt (in)	Station Press (mb)	Press Tend	SLP (mb)	24-Hour Pressure		
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Spd		Dir	Time	Spd	Dir	Time	<500			<1000	<3000								
12-15Z					-31.8	-38.3										19	100	1423	23	100	1420														
15-18Z	90	18	-34.8	-44.2	-33.2	-35.5				IC				6.0	T	26	80	1635	32	80	1614	6	120				29.79	1004.9	5014	1009.7					
18-21Z					-34.6	-35.6										30	80	1958	37	80	1958														
21-24Z	90	21	-34.3	-41.3	-33.4	-35.0		5.0	5.0	SN/IC			BS	5.0	T	27	80	2116	32	80	2121	8	110				29.80	1005.1	8005	1009.9	0.5				
12 hr Max/Min					-31.8	-38.3																													
00-03Z					-32.7	-34.4										24	80	0	31	80	2359														
03-06Z	80	22	-32.7	-41.5	-32.7	-33.1		3.0	3.0	IC			BS	3.0	T	23	80	520	29	80	329	8	110				29.72	1002.2	6018	1007.1					
06-09Z					-31.2	-32.7										25	80	633	31	80	642														
09-12Z	80	15	-28.4	-40.5	-28.5	-31.2				IC				6.0	T	24	80	906	28	80	906	8	120				29.62	999.2	6020	1003.9	6.2				
12 hr Max/Min					-28.5	-34.4																													
Avg Wind		Max		Min		Avg		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg Sky Cover	Low- est CIG	Ceiling (hrs)										
Dir	Spd	Temp	Temp	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd			Time	Time	<500	<1000	<3000						
85	19	-28.5	-38.3	-31.8	-31.8	00-06L	0.0	0.0	0.0	-58.0	-72.4	24.0	0.0	8.0	T	80	30	1958	80	37	1958	8	110	00-06L	0.0	0.0	0.0								
																Altimeter			Total	Daily	Daily														
																Max	Min	Avg	Obs	Pres	Temp														
																29.80	29.62	29.73	Taken	Diff	Diff														
																			4	0.18	9.8														

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order of entry for Max Wind and Max Gust is changed from conventional. The order is: Spd, Dir, and Time.

## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-24.9	-28.2																										
15-18Z	110	6	-27.7	-39.8	-24.8	-29.8									T	16	80	1715	21	80	1710	0										
18-21Z					-27.9	-31.3																										
21-24Z	70	10	30.4	-41.3	-28.2	-32.6									T	21	90	2234	25	90	2234	2										
12 hr Max/Min					-24.8	-32.6																										
00-03Z					-28.7	-32.5																										
03-06Z	60	4	-29.9	-37.3	-29.5	-32.9									T	21	70	347	28	70	346	2										
06-09Z					-28.4	-30.3																										
09-12Z	70	11	-30.3	-38.4	-29.0	-32.0									T	10	70	1132	12	70	1131	6	160									
12 hr Max/Min					-28.4	-32.9																										
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Avg	Low-est	Time	<500	<1000							
76	8	-24.8	-32.9	-27.5	00-06L	0.0	0.0	0.0	-51.0	-59.8	24.0	0.0	0.0	0.0	T	90	21	2234	70	28	346	3	160	00-06L	0.0							
																Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff									
																Max			29.48		28.90		29.20									
																4		0.58		8.1												

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

02

Station	Station				24-Hour Pressure
	Alt (in)	Press (mb)	Press Tend	SLP (mb)	
<3000					
	29.48	994.4	8027	999.1	
	29.29	987.8	6036	992.5	17.3
	29.12	982.2	6030	986.9	
	28.90	974.6	8036	979.2	24.6

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

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Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-28.7	-31.9																										
15-18Z	90	13	-31.9	-41.6	-30.7	-32.7				IC	6.0				T	14	90	1447	19	90	1446											
18-21Z					-31.7	-32.9										15	90	2041	19	90	2040											
21-24Z	50	3	-32.9	-39.8	-29.3	-35.7				IC	6.0				T	13	80	2059	18	80	2059											
12 hr Max/Min					-28.7	-35.7																										
00-03Z					-31.9	-36.8										5	60	14	7	60	14											
03-06Z	0	0	-30.4	-37.4	-30.4	-32.4				IC	6.0				T	5	50	403	7	50	359											
06-09Z					-29.1	-33.2										5	30	806	9	50	612											
09-12Z	0	0	-31.3	-36.6	-28.6	-36.0				IC	6.0				T	5	40	1038	8	40	1037											
12 hr Max/Min					-28.6	-36.8																										
Avg Wind				Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling	
Dir	Spd			Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time			Time	<500	<1000					
83	4			-28.6	-36.8	-31.3	00-06L	0.0	0.0	0.0	-52.0	-61.6	24.0	0.0	0.0	T	80	16	1546	90	21	1518	0		00-06L	0.0						
																	Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff								
																	Max	Min	Avg	4	0.14	8.2										
																	28.75	28.61	28.66													

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

03

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.75	969.5	6022	974.1	
	28.66	966.5	8009	971.1	21.3
	28.61	964.8	6006	969.3	
	28.61	964.8	3001	969.5	9.8

Wind Speed (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

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Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)						
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000				
12-15Z					-28.7	-35.2									T	5	70	1324	6	80	1324									
15-18Z	0	0	-27.2	-35.0	-26.8	-33.5				IC	6.0				T	5	50	1707	11	30	1750	0								
18-21Z					-25.7	-28.7										11	40	1835	15	40	1831									
21-24Z	50	7	-24.7	-38.9	-24.7	-30.7				IC	3.3				T	14	40	2332	21	50	2336	1								
12 hr Max/Min					-24.7	-35.2																								
00-03Z					-24.3	-31.9										18	40	8	23	40	21									
03-06Z	40	11	-24.6	-35.8	-24.6	-25.7										17	40	514	23	40	517	8	60							
06-09Z					-22.5	-24.6										16	40	603	20	40	604									
09-12Z	80	12	-22.3	-27.6	-21.2	-24.9		0.8	1.0	SN	5.8				T	13	70	1136	16	70	1132	8	15							
12 hr Max/Min					-21.2	-31.9																								
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling	
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	hrs	hrs	Dir	Spd	Time	Dir	Spd	Time	Avg	Low-est	Time	<500	<1000			
58	8	-21.2	-35.2	-25.9	00-06L	0.0	0.0	0.0	-49.0	-56.2	15.0	0.0	0.0	0.0	0.0	0.0	40	18	8	40	23	21	4	15	00-06L	0.0	0.0			
																Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff							
																Max	Min	Avg	4	0.11	14.0									
																28.68	28.57	28.61												

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04

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.61	964.8	8006	969.4	
	28.57	963.6	8008	968.2	2.9
	28.57	963.4	5000	967.8	
0.8	28.68	967.5	1018	971.9	2.7

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.8

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Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000	
12-15Z					-22.1	-23.2																					
15-18Z	80	14	-19.9	-26.1	-19.9	-23.1	3.0	4.0	6.0	SN		6.0			BS	2.0	T	34	150	1420	37	150	1420	8	45		
18-21Z					-18.6	-24.4												20	100	2050	25	100	2043				
21-24Z	80	22	-28.4	-34.1	-24.5	-28.5	1.5	3.0	6.0	SN		6.0			BS	1.5	T	26	80	2336	30	80	2335	8	50		
12 hr Max/Min					-18.6	-28.5																					
00-03Z					-27.0	-29.0												24	80	29	29	80	136				
03-06Z	90	9	-23.6	-31.1	-23.6	-27.2			1.5	SN		3.1					T	16	70	259	20	80	334	8	50		
06-09Z					-21.2	-23.7												21	130	843	27	130	842				
09-12Z	110	10	-22.1	-27.3	-21.5	-24.3				SN		5.0					T	18	80	1004	25	100	858	8	50		
12 hr Max/Min					-21.2	-29.0																					
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling		
Dir	Spd	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500		
87	14		-18.6	-29.0	-22.1	00-06L	3.0	4.0	6.0	-47.0	-52.6	20.1	0.0	3.5	T	150	34	1420	150	37	1420	8	45	00-06L	0.0		
															Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff							
															Max	Min	Avg	4	0.37	10.4							
															29.09	28.72	28.92										

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Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 05

Station	Station				24-Hour Pressure
	Alt (in)	Press (mb)	Press Tend	SLP (mb)	
<3000					
	28.72	968.5	8004	973.0	
	28.87	973.8	1030	978.3	10.2
	28.99	977.7	1016	982.1	
	29.09	981.0	1015	985.6	13.5

y (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

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Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)												
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	bs	hrs		Spd	Dir	Time	Spd	Dir	Time			<500	<1000											
12-15Z					-21.8	-22.8																														
15-18Z	130	18	-23.2	-27.9	-21.9	-23.3	3.0	4.0	5.0	SN				6.0			BS				3.0	T	23	150	1445	30	140	1441	8	35						
18-21Z					-19.9	-23.4																	23	120	1917	38	140	1916								
21-24Z	150	28	-16.7	-20.4	-16.6	-19.7	5.0	6.0	6.0	SN				6.0			BS				3.0	T	32	150	2338	41	150	2338	8	15						
12 hr Max/Min						-16.6	-23.4																													
00-03Z					-15.7	-16.5																	34	150	208	42	160	233								
03-06Z	160	28	-14.9	-18.0	-14.8	-15.6	3.5	4.0	6.0	SN				6.0			BS				6.0		41	170	446	52	170	444	8	1	2.9	2.9				
06-09Z					-14.6	-15.0																	37	150	836	46	150	746								
09-12Z	150	39	-15.1	-18.3	-14.7	-15.6	6.0	6.0	6.0	SN				6.0			BS				6.0		44	150	1024	53	150	1004	8	1	6.0	6.0				
12 hr Max/Min						-14.6	-16.5																													
Avg Wind																																				
Dir	Spd																																			
149	28				-14.6	-23.4	-17.5																													
																Visiblity (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling			
																Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd			Time	Time	<500	<1000
																00-06L	3.0	4.0	5.0	-40.0	-40.0	24.0	0.0	18.0	T	150	44	1024	150	53	1004		8	1	00-06L	0.0
																06-12L	5.0	6.0	6.0							Altimeter								06-12L	0.0	
																12-18L	3.5	4.0	6.0							Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff			12-18L	2.9	
																18-24L	6.0	6.0	6.0							29.10	28.76	28.93	4	0.34	8.8			18-24L	6.0	

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06

		Station			
s)	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.10	981.4	0004	985.9	
3.9	28.99	977.8	5014	982.3	4.0
4.0	28.86	973.4	5015	977.9	
6.0	28.76	970.2	8024	974.4	10.8

  

y (hrs)	
<1000	<3000
0.0	0.0
0.0	3.9
2.9	4.0
6.0	6.0

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Date \_\_\_\_\_

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000	
12-15Z					-14.1	-15.1																					
15-18Z	150	39	-14.7	-17.8	-14.4	-15.1	6.0	6.0	6.0	SN	6.0			BS	6.0		43	150	1436	51	150	1436	8	2	6.0	6.0	
18-21Z					-14.6	-15.0											42	150	1817	51	150	1806					
21-24Z	140	22	-15.0	-18.1	-14.4	-15.1	3.7	6.0	6.0	SN	6.0			BS	6.0		31	150	2119	38	150	2300	8	2	4.0	6.0	
12 hr Max/Min					-14.1	-15.1																					
00-03Z					-14.7	-15.1											32	140	120	41	140	129					
03-06Z	140	26	-13.2	-17.9	-13.2	-14.8	4.3	6.0	6.0	SN	6.0	FG	4.3	BS	6.0		30	140	535	38	140	534	8	3	2.0	3.0	
06-09Z					-12.7	-13.4											33	140	648	43	130	839					
09-12Z	130	22	-13.5	-17.6	-13.2	-14.4		6.0	6.0	SN	6.0	BR	5.0	BS	2.0		34	140	911	43	140	909	8	30			
12 hr Max/Min					-12.7	-15.1																					
Avg Wind		Max Temp		Min Temp	Avg Temp	Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling				
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	8	2	Time	<500			
142	27	-12.7	-15.1	-13.5	00-06L	6.0	6.0	6.0	-31.0	-23.8	24.0	9.3	20.0	0.00	150	43	1436	150	52	1741			00-06L	6.0			
															Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff							
															Max	Min	Avg	4	0.17	2.4							
															28.86	28.69	28.78										

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

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07

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
6.0	28.69	967.5	8011	971.8	
6.0	28.79	970.9	0015	975.9	6.9
5.0	28.79	971.0	0008	975.3	
	28.86	973.2	3010	977.6	3.0

j (hrs)	
<1000	<3000
6.0	6.0
6.0	6.0
3.0	5.0
0.0	0.0

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Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000	
12-15Z					-13.5	-14.5										29	140	1337	40	130	1240						
15-18Z	140	23	-14.3	-17.3	-13.7	-14.7	5.0	6.0	6.0	SN	6.0	BR	3.0	BS	5.0	31	140	1707	39	140	1535	8	25				
18-21Z					-13.8	-14.5										25	130	1821	31	140	1818						
21-24Z	150	25	-13.4	-16.2	-12.7	-14.5	5.0	5.5	6.0	SN	6.0	FG	3.5	BS	5.5	0.30	28	150	2230	34	150	2229	8	8	1.5		
12 hr Max/Min						-12.7	-14.7																				
00-03Z					-11.3	-13.7										35	150	239	44	150	238						
03-06Z	100	9	-14.4	-19.2	-11.9	-14.5	1.2	2.5	3.5	SN	6.0	FG/BR	2.3	BS	3.5	T	26	140	320	34	150	319	8	4	1.0	1.0	
06-09Z					-13.8	-14.8											20	130	641	27	140	734					
09-12Z	110	9	-13.4	-21.8	-12.8	-14.4				SN	2.8					T	12	130	909	18	120	900	8	70			
12 hr Max/Min						-11.3	-14.8																				
Avg Wind		Max		Min		Avg		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-est	Ceiling		
Dir	Spd	Temp	Temp	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500
135	17		-11.3	-14.8	-12.5		00-06L	5.0	6.0	6.0	-29.0	-20.2	20.8	8.8	14.0	0.30		150	35	239	150	44	238	8	4	06-12L	0.0
																	Altimeter			Total	Daily	Daily					
																	Obs	Pres	Temp								
																	Taken	Diff	Diff								
																	4	0.09	3.5								
																				8	4	06-12L	0.0				
																							12-18L	1.0			
																							18-24L	0.0			

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is changed from conventional. The order is: Spd, Dir and Time.

: 08

Station	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	4.0	28.85	973.1	3004	977.3
	6.0	28.81	971.7	8018	976.1 0.8
	1.0	28.85	973.1	1022	977.3
		28.76	970.0	6014	974.3 3.2

1 (hrs)	
<1000	<3000
0.0	4.0
1.5	6.0
1.0	1.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpr Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-12.0	-14.1										16	130	1233	22	130	1232											
15-18Z	120	10	-11.5	-24.5	-11.5	-13.6										14	130	1549	18	140	1548	8	200									
18-21Z					-11.2	-12.9										13	80	1844	17	80	1844											
21-24Z	140	14	-11.7	-17.6	-9.9	-12.1										27	140	2341	31	140	2340	8	60									
12 hr Max/Min					-9.9	-14.1																										
00-03Z					-11.1	-12.3										34	170	50	41	170	50											
03-06Z	150	20	-11.4	-16.8	-11.3	-11.9										33	150	312	39	150	312	8	45									
06-09Z					-10.6	-12.3										22	150	847	28	140	838											
09-12Z	140	10	-9.4	-18.4	-9.3	-11.4										24	170	918	30	170	917	8	45									
12 hr Max/Min					-9.3	-12.3																										
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpr Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Avg	Low-est	Time	<500	<1000							
140	14	-9.3	-14.1	-10.9	00-06L	0.0	0.0	0.0	-26.0	-14.8	0.0	0.0	0.0	0.00	170	34	50	170	41	50	8	45	00-06L	0.0	0.0							
																Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff									
																Max			28.83		28.74		28.80									
																			4		0.09		4.8									

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 09

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.74	969.2	6006	973.5	
	28.80	971.2	1009	975.5	0.5
	28.82	972.1	3008	976.3	
	28.83	972.4	0002	976.7	2.4

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)		
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000
12-15Z					-8.9	-10.0									11	140	1159	13	150	1204						
15-18Z	120	8	-7.6	-17.1	-7.4	-10.1									8	120	1750	11	100	1735	7	70				
18-21Z					-7.5	-9.0									13	70	1934	15	70	2037						
21-24Z	140	19	-11.0	-20.6	-7.1	-14.4									23	140	2323	28	150	2323	8	70				
12 hr Max/Min					-7.1	-14.4																				
00-03Z					-10.1	-12.6									17	140	3	22	140	5						
03-06Z	110	9	-14.0	-23.5	-11.6	-14.2									14	100	523	18	100	523	1	120				
06-09Z					-12.2	-14.0									13	110	646	20	130	645						
09-12Z	100	7	-12.9	-23.9	-12.7	-14.7									12	130	1133	18	130	923	1					
12 hr Max/Min					-10.1	-14.7																				
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling	
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Temp	Temp	Time	<500	<1000	
124	11	-7.1	-14.7	-9.6	00-06L	0.0	0.0	0.0	-26.0	-14.8	0.0	0.0	0.0	0.00	140	23	2323	150	28	2323			4	70	00-06L	0.0
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																Max	Min	Avg	4	0.06	7.6					
																28.89	28.83	28.86	4	0.06	7.6					

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

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s)	Station				24-Hour Pressure
	Alt <3000 (in)	Press (mb)	Press Tend	SLP (mb)	
	28.84	972.7	1012	976.9	
	28.83	972.6	1013	976.8	1.4
	28.88	973.9	1002	978.2	
	28.89	974.4	8001	978.8	2.0

y (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)									
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000							
12-15Z					-11.8	-14.6										11	130	1442	13	140	1442												
15-18Z	90	3	-14.8	-22.6	-12.2	-16.6									8	140	1633	10	140	1632	5	50											
18-21Z					-14.4	-17.0									7	150	1800	8	160	1850													
21-24Z	0	0	-14.1	-19.3	-14.1	-17.9									4	40	2329	6	50	2143	8	40											
12 hr Max/Min					-11.8	-17.9																											
00-03Z					-13.5	-16.8									8	150	18	9	150	17													
03-06Z	0	0	-17.3	-21.7	-12.8	-17.7									8	40	402	10	40	433	7	40											
06-09Z					-14.5	-17.2									3	40	826	5	50	816													
09-12Z	0	0	-14.9	-18.5	-13.7	-17.0				SN/IC	5.8				T	4	50	1139	4	50	1140	8	40										
12 hr Max/Min					-12.8	-17.7																											
Avg Wind				Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling		
Dir	Spd			Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Avg	Low-est	Time	<500	<1000						
90	1			-11.8	-17.9	-13.8	00-06L	0.0	0.0	0.0	-27.0	-16.6	5.8	0.0	0.0	T	130	11	1442	140	13	1442	7	40	00-06L	0.0							
																	Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff									
																	Max			28.90		28.86		28.89		4		0.04		6.1			

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
	28.89	974.4	8004	978.6	
	28.90	974.6	8002	978.8	2.0
	28.89	974.4	3002	978.7	
	28.86	973.4	8005	977.7	1.0

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-12.8	-17.2																										
15-18Z	120	8	-14.0	-18.3	-13.5	-14.3			2.0	SN	6.0												8	40								
18-21Z					-13.1	-14.5																										
21-24Z	130	14	-14.0	-18.3	-13.1	-14.3			3.0	SN	6.0												8	40								
12 hr Max/Min					-12.8	-17.2																										
00-03Z					-13.4	-14.3																										
03-06Z	110	7	-14.6	-19.9	-13.3	-15.3	0.3	0.8	4.5	SN/IC	6.0												8	30								
06-09Z					-13.9	-16.2																										
09-12Z	70	9	-18.5	-22.7	-15.8	-20.1				SN/IC	6.0												4	25								
12 hr Max/Min					-13.3	-20.1																										
Avg Wind				Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling	
Dir	Spd	Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Avg	Low-est	Time	<500	<1000					
111	10			-12.8	-20.1	-15.2	00-06L	0.0	0.0	2.0	-32.0	-25.6	24.0	0.0	0.0	0.07	170	27	310	170	31	309	7	25	00-06L	0.0						
																	Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff								
																	Max			28.95		28.86		28.90								
																	Min			4		0.09		7.3								
																	Avg															

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

12

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.86	973.2	5002	977.6	
	28.87	973.8	3008	978.1	0.8
	28.92	975.4	1011	979.7	
2.0	28.95	976.5	1008	980.9	3.1

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	2.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000	
12-15Z					-17.5	-19.6																					
15-18Z	90	13	-19.1	-26.3	-18.4	-20.0									T	16	70	1448	20	70	1415						
18-21Z					-19.4	-22.5																					
21-24Z	100	15	-23.6	-29.6	-22.0	-23.7									T	20	100	2313	26	110	2313	8	10				
12 hr Max/Min					-17.5	-23.7																					
00-03Z					-23.6	-24.6																					
03-06Z	100	22	-25.4	-30.8	-24.6	-25.5									T	24	100	359	29	100	358	8	10				
06-09Z					-25.1	-25.9																					
09-12Z	80	15	-25.4	-30.4	-24.9	-26.1			4.0	SN/IC	6.0				T	24	80	1006	29	80	1004	8	30				
12 hr Max/Min					-23.6	-26.1																					
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling		
Dir	Spd	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time			Time	<500		
93	16		-17.5	-26.1	-20.4	00-06L	0.0	0.0	0.0	-43.0	-45.4	24.0	0.0	0.0	T	100	24	128	100	29	358	8	10	00-06L	0.0		
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff						
																Max	Min	Avg	4	0.28	8.6						
																29.25	28.97	29.10									

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
5.0	28.97	977.1	1005	981.6	
6.0	29.04	979.5	3015	983.8	5.7
6.0	29.15	982.9	3023	987.5	
3.5	29.25	986.5	1017	991.0	10.0
j (hrs)					
<1000	<3000				
0.0	5.0				
0.0	6.0				
0.0	6.0				
0.0	3.5				

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**McMurdo Station Daily Observation Worksheet**

Date

Time	Winds		Temp	Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)												
	Dir	Spd			Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000										
12-15Z					-23.8	-25.3																														
15-18Z	80	12	-22.0	-27.0	-22.0	-24.2		3.0	6.0	SN/IC	6.0													8	30											
18-21Z					-21.1	-22.4																														
21-24Z	130	20	-20.5	-24.7	-20.5	-21.2	5.0	6.0	6.0	SN	6.0			BS	0.5	T	22	130	2348	31	140	2347	8	5	1.0	2.0										
12 hr Max/Min					-20.5	-25.3																														
00-03Z					-20.5	-21.0											24	130	135	34	150	3														
03-06Z	120	14	-20.6	-24.8	-20.6	-21.0	5.8	6.0	6.0	SN	6.0	FG	5.8	BS	3.0	0.08	17	130	527	24	140	520	8	5	5.8	6.0										
06-09Z					-20.5	-21.1											18	130	606	24	130	607														
09-12Z	90	10	-21.7	-26.4	-20.4	-22.1	2.1	6.0	6.0	SN	6.0	FG	0.5		0.02	16	80	1140	24	150	907	8														
12 hr Max/Min					-20.4	-22.1																														
Avg Wind		Max Temp		Min Temp	Avg Temp	Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling													
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time			Time	<500												
110	14	-20.4	-25.3	-22.0	00-06L	0.0	3.0	6.0	-39.0	-38.2	24.0	6.3	3.5	0.10	130	24	135	150	34	3	8	5	00-06L	0.0												
															Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff																
															Max	Min	Avg	4	0.12	4.9																
															29.42	29.30	29.37																			

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
3.0	29.30	988.1	3009	992.7	
5.0	29.34	989.3	0004	994.0	9.8
6.0	29.40	991.5	3004	996.0	
	29.42	992.4	3001	996.8	5.9

Station	
<1000	<3000
0.0	3.0
2.0	5.0
6.0	6.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)				
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	bs	hrs		Spd	Dir	Time	Spd	Dir	Time			<500	<1000			
12-15Z					-21.7	-25.8	6.0	6.0	6.0	SN/IC	6.0			BS	5.9	T	20	80	1313	24	80	1335						
15-18Z	80	14	-26.4	-31.6	-25.8	-26.8											19	80	1732	23	80	1720	8	15				
18-21Z					-25.5	-26.5											19	80	1800	23	80	1805						
21-24Z	130	10	-24.8	-30.5	-24.4	-26.2	1.0	3.0	4.0	SN/IC	6.0			BS	1.0	T	14	130	2110	18	130	2336	8	20				
12 hr Max/Min																												
00-03Z					-24.8	-26.3											18	130	158	23	140	204						
03-06Z	130	18	-25.2	-32.2	-24.8	-26.1				SN	6.0					T	26	140	543	30	140	543	8	30				
06-09Z					-23.9	-25.1											23	140	605	27	140	604						
09-12Z	110	12	-21.1	-28.9	-20.9	-24.2				SN	6.0					T	23	130	1100	34	150	1059	8	55				
12 hr Max/Min																												
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Temp	Temp	Time	<500	<1000			
113	14	-20.9	-26.8	-22.9	00-06L	6.0	6.0	6.0	-43.0	-45.4	24.0	0.0	6.9	T	140	26	543	150	34	1059			8	15	00-06L	0.0		
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff							
																Max			29.36	28.83	29.13	4	0.53	5.9				

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

15

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
4.0	29.36	990.3	6012	994.9	
1.9	29.25	986.8	6020	991.3	2.5
	29.06	980.2	8037	984.8	
	28.83	972.2	6038	976.7	20.2

Dir (hrs)	
<1000	<3000
0.0	4.0
0.0	1.9
0.0	0.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-19.2	-21.5																										
15-18Z	90	7	-16.6	-27.6	-16.5	-19.2									T	16	80	1548	19	80	1548	8	60									
18-21Z					-15.0	-16.5																										
21-24Z	90	5	-13.5	-25.6	-13.3	-15.4									T	15	80	2113	19	70	2223	8	40									
12 hr Max/Min					-13.3	-21.5																										
00-03Z					-13.1	-16.9																										
03-06Z	40	14	-12.2	-25.9	-12.2	-16.4									T	16	40	510	20	40	509	8	60									
06-09Z					-10.3	-14.2																										
09-12Z	130	8	-12.6	-16.9	-11.6	-12.8	0.5	1.5	1.5	SN/IC	6.0				T	36	150	1100	45	150	1059	8	20									
12 hr Max/Min					-10.3	-16.9																										
Avg Wind				Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling	
Dir	Spd			Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time			Time	<500	<1000					
78	9			-10.3	-21.5	-14.0	00-06L	0.0	0.0	0.0	-33.0	-27.4	16.8	0.0	0.0	T	150	36	1100	150	45	1059	8	20	00-06L	0.0						
																	Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff								
																	Max			4		0.41		11.2								
																	28.55															
																	28.14															
																	28.31															

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
	28.55	962.9	6044	967.3	
	28.31	954.8	6041	959.1	32.0
	28.14	949.2	6026	953.3	
2.0	28.24	952.6	1036	956.7	19.6

Station	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	2.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds		Temp	Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)					
	Dir	Spd			Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	bs	hrs		Spd	Dir	Time	Spd	Dir	Time			<500	<1000				
12-15Z					-12.4	-19.5										39	170	1345	46	170	1345								
15-18Z	100	15	-21.0	-25.1	-19.2	-21.1	5.0	6.0	6.0	SN/IC		6.0			BS	4.0	T	25	130	1526	37	140	1526	8	20		1.0		
18-21Z					-16.7	-20.9												25	100	1844	39	110	1835						
21-24Z	80	5	-15.8	-20.6	-15.6	-17.2			5.0	SN/IC		6.0			BS	1.0	T	15	80	2141	20	80	2140	8	6		0.9		
12 hr Max/Min					-12.4	-21.1																							
00-03Z					-15.6	-16.8												13	80	207	16	90	231						
03-06Z		4	-15.3	-20.0	-15.3	-17.7			2.5	SN/IC		6.0					T	16	40	548	20	40	547	8	50				
06-09Z					-14.4	-17.4												26	170	736	30	170	735						
09-12Z	150	19	-16.8	-20.8	-16.7	-18.8	4.5	4.5	6.0	SN/IC		6.0			BS	4.7	0.01	37	170	1009	46	170	1014	8	11				
12 hr Max/Min					-14.4	-18.8																							
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling				
Dir	Spd	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time			Time	<500				
122	11		-12.4	-21.1	-15.3	00-06L	5.0	6.0	6.0	-36.0	-32.8	24.0	0.0	9.7	0.01	170	39	1345	170	46	1345	8	6	00-06L	0.0				
																	Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff							
																	28.42	28.30	28.37	4	0.12	8.7							

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
	6.0	28.42	958.5	3017	962.9
	1.6	28.39	957.5	5000	961.7
		28.30	954.5	8020	958.7
	2.5	28.35	956.0	8001	960.3

Station	
<1000	<3000
1.0	6.0
0.9	1.6
0.0	0.0
0.0	2.5

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**McMurdo Station Daily Observation Worksheet**

Date \_\_\_\_\_

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000	
12-15Z					-15.7	-16.8																					
15-18Z	40	11	-15.4	-19.0	-14.9	-16.1	2.0	3.0	3.0	SN/IC	6.0			BS	2.5	T	32	170	1302	37	170	1301	8	20			
18-21Z					-14.8	-15.8											10	40	1813	13	40	1835					
21-24Z	170	15	-13.9	-16.8	-13.8	-14.9	1.5	2.1	3.5	SN	6.0	FG	1.5	BS	2.8	0.18	32	170	2213	41	170	2212	8	7		0.8	
12 hr Max/Min					-13.8	-16.8																					
00-03Z					-13.9	-15.7											33	170	19	38	170	19					
03-06Z	130	7	-16.1	-19.9	-15.5	-16.2	4.5	5.0	6.0	SN		FG	4.5	BS	3.5	0.02	23	150	531	28	150	406	8	8		1.3	
06-09Z					-14.9	-16.1											14	80	947	20	80	845					
09-12Z	70	10	-15.3	-20.4	-14.4	-15.5			2.0	SN	6.0					T	16	80	1100	17	80	1100	8	35			
12 hr Max/Min					-13.9	-16.2																					
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling		
Dir	Spd	Temp	Temp	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Time	<500		
107	11		-13.8	-16.8	-14.8			00-06L	2.0	3.0	3.0	-32.0	-25.6	18.0	6.0	8.8	0.20	170	33	19	170	41	2212	8	7	00-06L	0.0
																	Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																	Max	Min	Avg	4	0.05	3.0					
																	28.27	28.22	28.24								

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
	3.0	28.27	953.6	8012	957.8
	5.8	28.22	951.9	8017	956.0
	5.1	28.23	952.3	0008	956.4
		28.23	951.9	0001	956.1

Station	
<1000	<3000
0.0	3.0
0.8	5.8
1.3	5.1
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpr Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-14.9	-16.2										12	90	1450	14	90	1450											
15-18Z	80	10	-16.7	-20.9	-16.0	-16.8			2.0	SN	6.0				T	11	90	1724	15	100	1633	8	15									
18-21Z					-16.3	-18.2										15	120	2019	21	110	2018											
21-24Z	140	13	-20.3	-24.5	-18.4	-20.3	1.0	3.5	6.0	SN	6.0		BS	2.0	0.01	24	150	2206	27	150	2220	8	15									
12 hr Max/Min					-14.9	-20.3																										
00-03Z					-20.1	-21.4										22	130	204	29	130	203											
03-06Z	120	13	-21.0	-25.6	-20.6	-21.6	4.5	6.0	6.0	SN	6.0	BR	3.5	BS	2.7	T	24	140	302	28	140	301	8	6		0.1						
06-09Z					-20.3	-21.4										20	130	715	29	130	636											
09-12Z	140	25	-21.9	-25.9	-20.9	-21.9	2.8	4.5	6.0	SN	6.0		BS	2.2		29	140	1149	35	140	1149	8	3	0.5	1.0							
12 hr Max/Min					-20.1	-21.9																										
Avg Wind				Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpr Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling	
Dir	Spd			Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time			Time	<500	<1000					
127	15			-14.9	-21.9	-17.2	00-06L	0.0	0.0	2.0	-39.0	-38.2	24.0	3.5	6.9	0.01	140	29	1149	140	35	1149	8	3	00-06L	0.0						
							06-12L	1.0	3.5	6.0								Altimeter					06-12L	0.0								
							12-18L	4.5	6.0	6.0								Max					12-18L	0.0								
							18-24L	2.8	4.5	6.0								28.78					18-24L	0.5								
														28.33																		
														28.59																		
														Total Obs Taken																		
														4																		
														Daily Pres Diff																		
														0.45																		
														Daily Temp Diff																		
														7.0																		

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 19

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
2.0	28.33	955.5	1020	959.7	
3.0	28.54	962.4	3036	966.8	10.5
0.9	28.70	967.8	1025	972.2	
2.5	28.78	970.5	3002	974.9	18.6
j (hrs)					
<1000	<3000				
0.0	2.0				
0.0	3.0				
0.1	0.9				
1.0	2.5				

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### McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)							
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000					
12-15Z					-20.8	-22.0																									
15-18Z	160	34	-23.3	-27.4	-21.2	-23.4	6.0	6.0	6.0	SN		6.0			BS	6.0		37	150	1418	46	150	1401	8	3	6.0	6.0				
18-21Z					-21.9	-23.5												42	150	2022	49	150	2024								
21-24Z	120	18	-22.7	-27.3	-21.4	-22.7	6.0	6.0	6.0	SN		6.0			BS	6.0		42	150	2210	48	150	2150	8	5	5.0	6.0				
12 hr Max/Min					-20.8	-23.5																									
00-03Z					-21.2	-23.2												36	170	250	45	170	250								
03-06Z	170	42	-20.9	-24.8	-20.8	-21.5	6.0	6.0	6.0	SN		6.0			BS	6.0		58	170	419	69	170	541	8	2	6.0	6.0				
06-09Z					-19.3	-21.0												48	170	718	59	170	632								
09-12Z	150	31	-18.3	-22.3	-18.1	-19.3	6.0	6.0	6.0	SN		6.0			BS	6.0		44	150	1104	52	150	1104	8	0	6.0	6.0				
12 hr Max/Min					-18.1	-23.2																									
Avg Wind		Dir	Spd	Temp	Max Temp	Min Temp	Avg Temp	Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling						
								<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	Time	<500		
		155	31		-18.1	-23.5	-19.9	00-06L	6.0	6.0	6.0	-42.0	-43.6	24.0	0.0	24.0	0.00	170	58	419	170	69	541	8	0	00-06L	6.0				
								06-12L	6.0	6.0	6.0							Altimeter								06-12L	5.0				
								12-18L	6.0	6.0	6.0							Max	Min	Avg						12-18L	6.0				
								18-24L	6.0	6.0	6.0							28.94	28.70	28.80						18-24L	6.0				
																		Total Obs Taken			4	0.24	5.4								

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 20

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
6.0	28.82	972.1	8004	976.4	
6.0	28.94	976.1	3036	980.7	13.7
6.0	28.74	969.0	5011	973.3	
6.0	28.70	967.8	8027	972.2	2.7

  

y (hrs)	
<1000	<3000
6.0	6.0
6.0	6.0
6.0	6.0
6.0	6.0

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### McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)														
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	bs	hrs		Spd	Dir	Time	Spd	Dir	Time			<500	<1000													
12-15Z					-16.2	-18.3																																
15-18Z	160	28	-14.7	-21.6	-14.5	-16.5	2.0	4.0	4.0	SN				6.0			BS		4.0								35	160	1257	47	160	1245	8	0	2.0	4.0		
18-21Z					-14.5	-15.8																					31	150	1815	36	150	1816						
21-24Z	150	20	-17.5	-23.9	-15.2	-18.1				SN				4.5													24	150	2106	31	150	2105	8	80				
12 hr Max/Min					-14.5	-18.3																																
00-03Z					-15.7	-18.0																					29	150	242	36	150	237						
03-06Z	100	13	-19.3	-25.9	-16.1	-19.4																					30	140	445	34	140	445	8	55				
06-09Z					-18.6	-20.8																						33	140	815	40	150	813					
09-12Z	130	17	-22.8	-27.3	-20.5	-22.8	2.7	4.0	5.0	SN				5.1			BS		4.0								31	150	912	38	140	1050	8	15	0.2	2.5		
12 hr Max/Min					-15.7	-22.8																																
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling													
Dir	Spd	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time			Time	<500													
141	20	-14.5	-22.8	-17.3	-17.3	00-06L	2.0	4.0	4.0	-40.0	-40.0	15.6	0.0	8.0	0.37	160	35	1257	160	47	1245	8	0	00-06L	2.0													
						06-12L	0.0	0.0	0.0						Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					06-12L	0.0												
						12-18L	0.0	0.0	0.0									28.99	28.67	28.81					12-18L	0.0												
						18-24L	2.7	4.0	5.0																18-24L	0.2												

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 21

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
4.0	28.67	966.8	6022	971.2	
	28.75	969.5	1012	973.9	6.6
	28.83	972.2	3020	976.6	
3.0	28.99	977.8	3060	982.2	10.0

y (hrs)	
<1000	<3000
4.0	4.0
0.0	0.0
0.0	0.0
2.5	3.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)						
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	bs	hrs		Spd	Dir	Time	Spd	Dir	Time			<500	<1000					
12-15Z					-21.8	-22.9																								
15-18Z	150	23	-22.1	-26.1	-21.9	-23.1	6.0	6.0	6.0	SN				6.0			BS		6.0											
18-21Z					-18.8	-22.0																								
21-24Z	160	14	-16.7	-24.2	-16.1	-18.7	3.5	4.0	4.0	SN				6.0			BS		4.0	0.02	30	170	2203	40	170	2144	8	2	2.1	3.4
12 hr Max/Min																														
00-03Z					-16.5	-17.2																								
03-06Z	130	13	-15.8	-22.0	-15.7	-17.1	1.0	1.0	2.5	SN/GS				6.0			BS		2.5	T	18	150	546	25	130	306	8	25		
06-09Z					-15.6	-18.3																								
09-12Z	90	19	-23.8	-30.2	-18.1	-24.3				0.5	SN/IC			6.0			BS		0.5	T	22	80	1143	27	80	1140	0	40		
12 hr Max/Min																														
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling					
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Total	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500	<1000				
132	17		-15.6	-24.3	-18.5	00-06L	6.0	6.0	6.0	-41.0	-41.8	24.0	0.0	13.0	0.02	150	34	1950	150	40	1950	6	2	00-06L	4.0					
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.00	28.96	28.98	4	0.04	8.7									

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 22

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
6.0	29.00	978.0	3002	982.5	
3.5	28.97	977.0	7003	981.4	7.5
1.7	28.98	977.5	1008	981.9	
	28.96	976.8	8003	981.3	1.0

y (hrs)	
<1000	<3000
5.0	6.0
3.4	3.5
0.0	1.7
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000	
12-15Z					-20.0	-23.8																					
15-18Z	80	9	-21.7	-30.6	-21.5	-24.8									T	21	90	1449	26	90	1449		4	120			
18-21Z					-19.9	-22.9																					
21-24Z	70	11	-22.1	-27.2	-19.6	-26.0									T	17	120	2227	21	120	2257		8	20			
12 hr Max/Min					-19.6	-26.0																					
00-03Z					-22.2	-26.5																					
03-06Z	90	21	-28.9	-34.6	-26.5	-28.9							BS	2.5	T	22	90	550	31	90	549		8	23			
06-09Z					-28.8	-29.6																					
09-12Z	90	19	-29.3	-35.3	-29.2	-29.6							BS	1.0	T	25	90	1037	30	90	927		5	25			
12 hr Max/Min					-22.2	-29.6																					
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling		
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Temp	Temp	Time	<500	<1000		
85	15	-19.6	-29.6	-22.9	00-06L	0.0	0.0	0.0	-48.0	-54.4	24.0	0.0	3.5	T	90	25	1037	90	31	549		6	20	00-06L	0.0		
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff						
																28.91	28.76	28.82	4	0.15	10.0						

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 23

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	28.91	974.9	5001	979.4	
5.0	28.85	973.1	8012	977.5	3.9
6.0	28.76	970.0	6020	974.5	
6.0	28.76	969.9	3005	974.3	6.9

y (hrs)	
<1000	<3000
0.0	0.0
0.0	5.0
0.0	6.0
0.0	6.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-28.7	-29.6																										
15-18Z	100	4	-26.5	-31.8	-25.7	-29.8									T	24	90	1157	26	90	1157	0	25									
18-21Z					-25.3	-27.4										5	50	2003	7	50	2002											
21-24Z	0	0	-28.4	-33.2	-25.0	-29.1										4	50	2320	5	60	2320	1										
12 hr Max/Min					-25.0	-29.8																										
00-03Z					-22.9	-29.1										10	40	207	13	30	223											
03-06Z	0	0	-20.3	-27.1	-20.3	-22.8			0.8	SN	0.8				T	15	50	516	17	50	515	8	40									
06-09Z					-20.0	-24.7										19	80	818	22	80	817											
09-12Z	140	15	-19.3	-23.8	-18.9	-20.3		0.5	5.5	SN	6.0		BS	0.5	T	23	150	1131	28	150	1131	8	40									
12 hr Max/Min					-18.9	-29.1																										
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Total	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500	<1000						
132	5	-18.9	-29.8	-22.5	00-06L	0.0	0.0	0.0	-48.0	-54.4	11.3	0.0	0.5	0.00	0.00	90	24	1157	150	28	1131	4	25	00-06L	0.0	0.0						
																Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff									
																Max			28.93		28.81		28.85									
																			4		0.12		10.9									

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

24

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
2.0	28.81	971.7	3001	976.2	
	28.82	972.1	0003	976.6	1.0
	28.82	972.1	6002	976.5	
	28.93	975.6	1024	980.1	5.7

Station	
<1000	<3000
0.0	2.0
0.0	0.0
0.0	0.0
0.0	0.0

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: 25

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
1.5	29.06	980.0	1030	984.4	
	29.15	983.2	1024	987.7	11.1
0.8	29.14	982.7	3001	987.1	
5.0	29.27	987.3	3009	991.8	11.7
j (hrs)					
<1000	<3000				
1.3	1.5				
0.0	0.0				
0.8	0.8				
5.0	5.0				

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)								
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000						
12-15Z					-22.7	-23.2																										
15-18Z	120	12	-23.0	-27.6	-22.4	-23.0			3.0	SN/IC	3.8						26	130	1306	32	140	1350	8	10								
18-21Z					-20.4	-23.0											17	90	2008	28	100	1820										
21-24Z	80	13	-18.8	-27.2	-18.4	-20.4			2.5	SN/IC	4.0						0.01	19	80	2119	23	80	2119	8	10							
12 hr Max/Min					-18.4	-23.2																										
00-03Z					-15.1	-20.7											16	80	39	21	80	30										
03-06Z	80	23	-25.1	-31.6	-20.3	-25.3						BS	0.3				19	90	547	31	80	553	1	120								
06-09Z					-23.0	-25.3											28	80	847	35	80	722										
09-12Z	100	16	-24.2	-33.1	-21.4	-26.0						BS	0.3				28	140	930	36	140	929	0									
12 hr Max/Min					-15.1	-26.0																										
Avg Wind				Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn Total			Max Wind			Max Gust			Avg Sky Cover		Low-est CIG		Ceiling	
Dir	Spd			Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time			Time	<500	<1000					
92	16			-15.1	-26.0	-18.7	00-06L	0.0	0.0	3.0	-44.0	-47.2	7.8	0.0	0.6	0.01	80	28	847	140	36	929	4	10	00-06L	0.0						
																	Altimeter															
																	Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff										
																	29.33	29.12	29.22	4	0.21	10.9										

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 26

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
	0.5	29.28	987.6	5000	992.1
	0.5	29.16	983.6	6022	988.0
		29.12	982.2	6003	986.7
		29.33	989.0	2037	993.4

Station	
<1000	<3000
0.0	0.5
0.0	0.5
0.0	0.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)					
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000			
12-15Z					-22.3	-24.5									18	110	1206	24	120	1205									
15-18Z	110	13	-22.1	-28.2	-21.4	-23.9									18	100	1748	26	130	1650	0								
18-21Z					-21.2	-23.0									21	80	2015	34	120	1850									
21-24Z	80	15	-23.5	-31.5	-21.0	-24.8									21	80	2100	26	80	2123	1								
12 hr Max/Min					-21.0	-24.8																							
00-03Z					-18.7	-24.6									21	80	32	27	80	32									
03-06Z	100	7	-20.6	-30.1	-18.6	-23.5									11	110	536	13	110	541	0								
06-09Z					-17.8	-22.0									13	100	640	16	100	626									
09-12Z	100	9	-14.6	-27.7	-14.3	-19.1									12	110	912	15	110	912	6	180							
12 hr Max/Min					-14.3	-24.6																							
Avg Wind		Max		Min		Avg		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-est	Ceiling				
Dir Spd		Temp		Temp		Temp		Time <1600 <4800 <9999			C F		sn/sg/ic fg/br bs			Total	Dir Spd Time			Dir Spd Time			Cover	CIG	Time <500 <1000				
96 11		-14.3		-24.8		-17.8		00-06L 0.0 0.0 0.0			-41.0 -41.8		0.0 0.0 0.0			0.00	80 21 2015			120 34 1850			2	180	00-06L 0.0				
																Altimeter			Total	Daily	Daily	Avg	Obs	Pres	Temp	Cover	CIG	Time	
																Max Min Avg			Taken	Diff	Diff	29.30	4	0.31	10.5	2	180	06-12L 0.0	
																29.40 29.09 29.30			4	0.31	10.5							12-18L 0.0	
																												18-24L 0.0	

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is changed from conventional. The order is: Spd, Dir and Time.

: 27

Station	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.39	991.0	3005	995.7	
	29.40	991.4	3004	996.0	7.8
	29.33	989.3	8020	993.8	
	29.09	979.2	8045	983.8	9.8

1 (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)							
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000					
12-15Z					-10.9	-14.5																									
15-18Z	160	29	-10.4	-12.7	-7.6	-12.1	2.0	2.0	2.0	SN		2.0			BS	2.0		10	110	1159	14	110	1157								
18-21Z					-10.3	-18.2												39	150	1947	47	170	1824								
21-24Z	130	13	-21.3	-25.3	-18.5	-21.3	6.0	6.0	6.0	SN		6.0			BS	6.0		35	150	2128	41	150	2128	8	7	5.5	6.0				
12 hr Max/Min					-7.6	-21.3																									
00-03Z					-20.2	-21.3												17	130	200	26	140	13								
03-06Z	120	11	-19.1	-22.9	-19.0	-21.5	3.0	6.0	6.0	SN		6.0			BS	6.0	0.11	18	80	458	26	110	425	8	5	3.0	6.0				
06-09Z					-14.4	-19.4												31	170	850	37	170	850								
09-12Z	170	26	-14.4	-17.3	-14.1	-14.9	6.0	6.0	6.0	SN		6.0			BS	6.0		33	170	943	44	170	913	8	3	2.4	6.0				
12 hr Max/Min					-14.1	-21.5																									
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling						
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Total	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500						
153	20		-7.6	-21.5	-12.2	00-06L	2.0	2.0	2.0	-38.0	-36.4	20.0	0.0	20.0	0.11	170	42	1608	170	57	1607	8	2	00-06L	2.0						
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff										
																Max	Min	Avg	4	0.57	13.9										
																29.33	28.76	29.13													

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 28

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
2.0	28.76	967.6	6051	972.2	
6.0	29.22	985.3	3112	989.8	6.1
6.0	29.33	989.2	0014	993.5	
6.0	29.21	992.0	0008	987.4	12.8

y (hrs)	
<1000	<3000
2.0	2.0
6.0	6.0
6.0	6.0
6.0	6.0

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**McMurdo Station Daily Observation Worksheet**

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)						
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000				
12-15Z					-12.1	-14.4																								
15-18Z	160	14	-15.7	-18.8	-11.9	-15.7	6.0	6.0	6.0	SN		6.0			BS	6.0	0.10	30	170	1336	36	170	1303	8	3	5.0	6.0			
18-21Z					-15.6	-19.4												18	140	1820	22	130	1949							
21-24Z	130	4	-19.2	-23.9	-18.0	-19.3	2.3	3.8	3.8	SN		3.0			BS	3.8	T	16	130	2215	24	120	2250	8	6	2.3	2.3			
12 hr Max/Min					-11.9	-19.4																								
00-03Z					-17.9	-20.3												13	100	144	17	100	140							
03-06Z	90	9	-14.3	-21.4	-14.3	-17.9			3.0	SN		3.0					T	15	80	521	19	80	520	7	35					
06-09Z	60	8	-15.0	-21.0	-14.1	-15.0												12	80	704	16	90	612	8	36					
09-12Z	70	10	-15.1	-21.6	-14.8	-16.4												11	70	1147	14	70	1149	8	48					
12 hr Max/Min					-14.1	-20.3																								
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcpn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling					
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Time	<500			<1000					
104	9	-11.9	-20.3	-14.7	00-06L	6.0	6.0	6.0	-32.0	-25.6	12.0	0.0	9.8	0.10	170	38	1534	170	42	1535	8	3	00-06L	5.0						
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																Max	Min	Avg				12-18L	0.0							
																29.55	29.33	29.46	18-24L	0.0										
																5	0.22	8.4												

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

: 29

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
6.0	29.33	984.7	3017	989.3	
2.3	29.49	994.6	3022	999.0	9.3
	29.50	994.9	0000	999.3	
	29.55	994.6	7003	999.1	
	29.43	992.4	7022	996.9	0.4

y (hrs)	
<1000	<3000
6.0	6.0
2.3	2.3
0.0	0.0
0.0	0.0

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Dir,

## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000	
12-15Z					-13.1	-18.6									0.01	11	70	1204	14	70	1204	8					
15-18Z	0	0	-14.8	-18.6	-14.6	-16.6	2.0	2.0	2.0	SN		2.0				3	70	1526	4	210	1459	8	30				
18-21Z	110	5	-11.2	-14.5	-11.1	-15.0	3.0	3.0	3.0	SN		3.0				7	120	2046	10	120	2043	8	14				
21-24Z	120	11	-9.0	-12.2	-8.8	-11.2	2.5	3.0	3.0	SN		3.0			0.16	15	130	2326	20	110	2330	8	14				
12 hr Max/Min					-8.8	-18.6																					
00-03Z	100	16	-10.6	-13.6	-7.6	-10.7	1.0	2.6	3.0	SN		3.0		BS	1.3		18	130	233	29	120	142	8	7		0.5	
03-06Z	120	14	-12.9	-16.1	-9.6	-13.1	3.0	3.0	33.0	SN		3.0		BS	3.0		30	150	432	37	150	429	8	6		3.0	
06-09Z					-12.1	-13.4										24	140	631	31	130	639						
09-12Z	130	23	-10.1	-12.4	-9.7	-13.3	6.0	6.0	6.0	SN		6.0		BS	6.0		27	150	1139	34	140	1018	8	6		6.0	
12 hr Max/Min					-7.6	-13.4																					
				Max Temp	Min Temp	Avg Temp	Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling			
				Dir	Spd		Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time			Time	<500	
				108	12	-7.6	00-06L	2.0	2.0	2.0	-29.0	-20.2	20.0	0.0	10.3	0.17	150	30	432	150	37	429	8	6	00-06L	0.0	
							06-12L	5.5	6.0	6.0							Altimeter								06-12L	0.0	
							12-18L	4.0	5.6	36.0							Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff			12-18L	0.0	
							18-24L	6.0	6.0	6.0							29.30	2.00	24.66	6	27.30	11.0			18-24L	0.0	

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

30

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
	29.30	988.3	6025	992.7	
1.0	29.22	985.4	7029	989.9	
2.5	29.16	983.4	7020	987.7	11.2
1.0	29.11	981.7	7017	986.1	
3.0	29.14	982.9	2012	987.3	
6.0	2.00	981.4	8033	985.5	11.0

  

Station	
<1000	<3000
0.0	0.0
0.0	3.5
3.5	4.0
6.0	6.0

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					Pcprn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)			
	Dir	Spd	Temp		Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	bs	hrs		Spd	Dir	Time	Spd	Dir	Time			<500	<1000		
12-15Z					-9.1	-10.4	6.0	6.0	6.0	SN					6.0	0.06	31	150	1245	40	160	1233	8	6		5.0	
15-18Z	80	16	-10.3	-13.0	-8.8	-10.4	6.0	6.0	6.0	SN							25	140	1517	29	150	1523					
18-21Z					-7.5	-10.5											25	140	2004	33	140	2001					
21-24Z	180	25	-8.4	-10.6	-8.1	-8.8	6.0	6.0	6.0	SN							27	150	2349	37	140	2349	8	5		0.8	
12 hr Max/Min					-7.5	-10.5																					
00-03Z					-8.1	-12.1											29	140	214	39	140	224					
03-06Z	100	13	-14.9	-18.5	-12.2	-17.1	6.0	6.0	6.0	SN							27	130	304	37	130	407	8	5		6.0	
06-09Z	130	17	-10.9	-13.6	-10.5	-15.0	3.0	3.0	3.0	SN							27	150	645	36	150	644	8	5		3.0	
09-12Z	140	19	-10.6	-13.0	-9.9	-10.7	3.0	3.0	3.0	SN							26	140	1016	32	140	1128	8	5		3.0	
12 hr Max/Min					-8.1	-17.1																					
Avg Wind		Max Temp		Min Temp		Avg Temp		Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn Total	Max Wind			Max Gust			Avg Sky Cover	Low-est CIG	Ceiling		
Dir	Spd	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Total	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500	
133	18		-7.5	-17.1	-10.7	00-06L	6.0	6.0	6.0	-31.0	-23.8	24.0	0.0	24.0	0.06	150	31	1245	160	40	1233	8	5	00-06L	0.0		
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff						
																Max	Min	Avg	5	0.25	9.6						
																29.29	29.04	29.20									

Note 1: Color coding. Green headings indicate blocks the Weather Observer must complete. The remainder are calculated/ completed by MS Excel.

Note 2: Duration should be fractions of an hour.

Note 3: To facilitate MS Excel, the order entry for Max Wind and Max Gust is ch from conventional. The order is: Spd, I and Time.

31

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
6.0	29.11	981.7	0013	986.0	
6.0	29.04	979.5	8007	984.1	3.9
6.0	29.28	987.5	1044	991.8	
3.0	29.26	987.0	5005	991.2	
3.0	29.29	988.0	3010	992.2	6.6

y (hrs)	
<1000	<3000
5.0	6.0
0.8	6.0
6.0	6.0
6.0	6.0

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Station:  
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### Monthly Climatology / Page 1

Month:  
AUG 2014

Date	Temp (C)			Visibility (hrs)												WX and Duration				Pcprn Amt	Avg Wind		Max Wind					
	Max	Min	Avg	< 1600				< 4800				< 9999				sn/sg/ic	fg/br	bs	Total		Spd	Dir	Spd	Dir				
				00-06L	06-12L	12-18L	18-24L	Total	00-06L	06-12L	12-18L	18-24L	Total	00-06L	06-12L	12-18L	18-24L	Total										
1	-28.5	-38.3	-31.8							5.00	3.00		8.00		5.00	3.00		8.00	24.00		8.00	32.00	T	19	85	30	80	
2	-24.8	-32.9	-27.5																24.00			24.00	T	8	76	21	90	
3	-28.6	-36.8	-31.3																24.00			24.00	T	4	83	16	80	
4	-21.2	-35.2	-25.9									0.75	0.80				1.00	1.00	15.00			15.00	T	8	58	18	40	
5	-18.6	-29.0	-22.1	3.00	1.50			4.50	4.00	3.00			7.00	6.00	6.00	1.50		13.50	20.08		3.50	23.50	T	14	87	34	150	
6	-14.6	-23.4	-17.5	3.00	5.00	3.50	6.00	17.50	4.00	6.00	4.00	6.00	20.00	5.00	6.00	6.00	6.00	23.00	24.00		18.00	42.00	T	28	149	44	150	
7	-12.7	-15.1	-13.5	6.00	3.70	4.33	0.00	14.00	6.00	6.00	6.00	6.00	24.00	6.00	6.00	6.00	6.00	24.00	24.00	9.33	20.00	53.30	0.00	27	142	43	150	
8	-11.3	-14.8	-12.5	5.00	5.00	1.20	0.00	11.20	6.00	5.50	2.50	0.00	14.00	6.00	6.00	3.50	0.00	15.50	20.75	8.75	14.00	44.90	0.30	17	135	35	150	
9	-9.3	-14.1	-10.9																					14	140	34	170	
10	-7.1	-14.7	-9.6																					11	124	23	140	
11	-11.8	-17.9	-13.8																5.75			5.80	T	1	90	11	130	
12	-12.8	-20.1	-15.2			0.30		0.30					0.80	0.80	2.00	3.00	4.50		9.50	24.00		24.00	0.07	10	111	27	170	
13	-17.5	-26.1	-20.4														4.00	4.00	24.00			24.00	T	16	93	24	100	
14	-20.4	-25.3	-22.0		5.00	5.83	2.10	12.90	3.00	6.00	6.00	6.00	21.00	6.00	6.00	6.00	6.00	24.00	24.00	6.33	3.50	33.80	0.10	14	110	24	130	
15	-20.9	-26.8	-22.9	6.00	1.00			7.00	6.00	3.00			9.00	6.00	4.00			10.00	24.00		6.92	30.90	T	14	113	26	140	
16	-10.3	-21.5	-14.0				0.50	0.50				1.50	1.50				1.50	1.50	16.75			17.60	T	9	78	36	150	
17	-12.4	-21.1	-15.3	5.00			4.50	9.50	6.00			4.50	10.50	6.00	5.00	2.50	6.00	19.50	24.00		9.67	33.50	0.01	11	122	39	170	
18	-13.8	-16.8	-14.8	2.00	1.50	4.50		8.00	3.00	2.10	5.00		10.10	3.00	3.50	6.00	2.00	14.50	18.00	6.00	8.75	32.10	0.20	11	107	33	170	
19	-14.9	-21.9	-17.2		1.00	4.50	2.80	8.30			3.50	6.00	4.50	14.00	2.00	6.00	6.00	6.00	20.00	24.00	3.50	6.86	32.40	0.01	15	127	29	140
20	-18.1	-23.5	-19.9	6.00	6.00	6.00	6.00	24.00	6.00	6.00	6.00	6.00	24.00	6.00	6.00	6.00	6.00	24.00	24.00		24.00	48.00	0.00	31	155	58	170	
21	-14.5	-22.8	-17.3	2.00			2.70	4.70	4.00			4.00	8.00	4.00			5.00	9.00	15.60		8.00	23.60	0.37	20	141	35	160	
22	-15.6	-24.3	-18.5	6.00	3.50	1.00		10.50	6.00	4.00	1.00	0.00	11.00	6.00	4.00	2.50	0.50	13.00	24.00		13.00	37.00	0.02	17	132	34	150	
23	-19.6	-29.6	-22.9													2.00	1.50	3.00	6.50	24.00		3.50	25.00	T	15	85	25	90
24	-18.9	-29.8	-22.5									0.50	0.50				0.75	5.50	6.25	11.25		0.50	11.75	0.00	5	132	24	90
25	-17.1	-25.1	-19.8	1.70		0.75	5.00	7.45	2.70		0.75	6.00	9.45	3.50		1.50	6.00	11.00	21.20		11.00	32.20	0.00	17	124	30	130	
26	-15.1	-26.0	-18.7											3.00	2.50			5.50	7.75		0.58	8.28	0.01	16	92	28	80	
27	-14.3	-24.8	-17.8																					11	96	21	80	
28	-7.6	-21.5	-12.2	2.00	6.00	3.00	6.00	17.00	2.00	6.00	6.00	6.00	20.00	2.00	6.00	6.00	6.00	20.00	20.00		20.00	40.00	0.11	20	153	42	170	
29	-11.9	-20.3	-14.7	6.00	2.25			8.25	6.00	3.80			9.80	6.00	3.80	3.00		12.80	12.00		9.75	21.75	0.10	9	104	38	170	
30	-7.6	-18.6	-11.3	2.00	5.50	4.00	6.00	8.50	2.00	6.00	5.60	6.00	10.60	2.00	6.00	36.00	6.00	11.00	20.00		10.30	12.30	0.17	12	108	30	150	
31	-7.5	-17.1	-10.7	6.00	6.00	6.00	6.00	24.00	6.00	6.00	6.00	6.00	24.00	6.00	6.00	6.00	6.00	24.00	24.00		24.00	0.00	0.06	18	133	31	150	

### Monthly Statistics

Temp (C)			Visibility (hrs)												WX and Duration				Pcprn Total	Avg Wind		Max Wind		Max Gust
Max	Min	Avg	< 1600				< 4800				< 9999				sn/sg/ic	fg/br	bs	Total		Dir	Spd	Dir	Spd	
-7.1	-38.3	-18.2	61.7	53.0	44.9	47.6	72.7	71.9	58.7	63.8	86.5	92.8	108.3	82.5	564.1	33.9	223.8	821.9	1.53	120	14	170	58	69

Temp (C)		Total Hrs =or< 1600:	Total Hrs =or< 4800:	Total Hrs < 9999:
Average		207.2	267.0	370.1
Max	Min	Total Days =or< 1600:	Total Days =or< 4800:	Total Days < 9999:
-15.5	-23.7	19	22	25
		% Hrs =or< 1600:	% Hrs =or< 4800:	% Hrs < 9999:
		27.8%	35.9%	49.7%
		% Days =or< 1600:	% Days =or< 4800:	% Days < 9999:
		61.3%	71.0%	80.6%

Total Hrs	sn/sg/ic:
564.1	564.1
Total Hrs	fg/br:
33.9	33.9
Total Hrs	bs:
223.8	223.8
Total Days	sn/sg/ic:
28	28
Total Days	fg/br:
5	5
Total Days	bs:
21	21

- N
- NE
- E
- SE
- S
- SW
- W
- NW

Max Gust
37
28
21
23
37
53
52
44
41
28
13
31
29
34
34
45
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69
47
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31
28
41
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34
57
42
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40

Station:  
NZCM

### Monthly Climatology / Page 2

Month:  
AUG 2014

Date	Avg Sky Cover	Low-est CIG	Ceiling (hrs)															Altimeter (in)			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	Min Wind Chill	
			< 500					< 1000					< 3000					Max	Min	Avg					
			00-06L	06-12L	12-18L	18-24L	Total	00-06L	06-12L	12-18L	18-24L	Total	00-06L	06-12L	12-18L	18-24L	Total								
1	8	110																	29.80	29.62	29.73	4	0.18	9.8	-58.0
2	3	160																	29.48	28.90	29.20	4	0.58	8.1	-51.0
3	0																		28.75	28.61	28.66	4	0.14	8.2	-52.0
4	4	15												0.75	0.80			28.68	28.57	28.61	4	0.11	14.0	-49.0	
5	8	45																29.09	28.72	28.92	4	0.37	10.4	-47.0	
6	8	1			2.90	6.00	8.90			2.90	6.00	8.90		3.90	4.00	6.00	13.90	29.10	28.76	28.93	4	0.34	8.8	-40.0	
7	8	2	6.00	4.00	2.00		12.00	6.00	6.00	3.00		15.00	6.00	6.00	5.00		17.00	28.86	28.69	28.78	4	0.17	2.4	-31.0	
8	8	4			1.00		1.00			1.50	1.00	2.50	4.00	6.00	1.00		11.00	28.85	28.76	28.82	4	0.09	3.5	-29.0	
9	8	45																28.83	28.74	28.80	4	0.09	4.8	-26.0	
10	4	70																28.89	28.83	28.86	4	0.06	7.6	-26.0	
11	7	40																28.90	28.86	28.89	4	0.04	6.1	-27.0	
12	7	25												2.00	2.00		2.00	28.95	28.86	28.90	4	0.09	7.3	-32.0	
13	8	10											5.00	6.00	6.00	3.50	20.50	29.25	28.97	29.10	4	0.28	8.6	-43.0	
14	8	5		1.00	5.80		6.80			2.00	6.00	8.00	3.00	5.00	6.00		14.00	29.42	29.30	29.37	4	0.12	4.9	-39.0	
15	8	15											4.00	1.90			5.90	29.36	28.83	29.13	4	0.53	5.9	-43.0	
16	8	20													2.00	2.00	2.00	28.55	28.14	28.31	4	0.41	11.2	-33.0	
17	8	6							1.00	0.90		1.90	6.00	1.60			2.50	10.10	28.42	28.30	28.37	4	0.12	8.7	-36.0
18	8	7								0.80	1.30	2.10	3.00	5.80	5.10		13.90	28.27	28.22	28.24	4	0.05	3.0	-32.0	
19	8	3					0.50	0.50			0.10	1.00	1.10	2.00	3.00	0.90	2.50	8.40	28.78	28.33	28.59	4	0.45	7.0	-39.0
20	8	0	6.00	5.00	6.00	6.00	23.00	6.00	6.00	6.00	6.00	24.00	6.00	6.00	6.00	6.00	24.00	28.94	28.70	28.80	4	0.24	5.4	-42.0	
21	8	0	2.00				0.20	2.20	4.00			2.50	6.50	4.00			3.00	7.00	28.99	28.67	28.81	4	0.32	8.3	-40.0
22	6	2	4.00	2.10			6.10	5.00	3.40			8.40	6.00	3.50	1.70		11.20	29.00	28.96	28.98	4	0.04	8.7	-41.0	
23	6	20												5.00	6.00	6.00	17.00	28.91	28.76	28.82	4	0.15	10.0	-48.0	
24	4	25											2.00				2.00	28.93	28.81	28.85	4	0.12	10.9	-48.0	
25	8	3	0.50		0.75	5.00	6.25	1.30		0.75	5.00	7.05	1.50		0.75	5.00	7.25	29.27	29.06	29.16	4	0.21	8.0	-43.0	
26	4	10											0.50	0.50			1.00	29.33	29.12	29.22	4	0.21	10.9	-44.0	
27	2	180																29.40	29.09	29.30	4	0.31	10.5	-41.0	
28	8	2	2.00	5.50	3.00	2.43	12.93	2.00	6.00	6.00	6.00	20.00	2.00	6.00	6.00	6.00	20.00	29.33	28.76	29.13	4	0.57	13.9	-38.0	
29	8	3	5.00	2.25			7.25	6.00	2.25			8.25	6.00	2.25			8.25	29.55	29.33	29.46	5	0.22	8.4	-32.0	
30	8	6									3.50	6.00	9.50		3.50	4.00	6.00	4.50	29.30	2.00	24.66	6	27.30	11.0	-29.0
31	8	5						5.00	0.75	6.00	6.00	17.75	6.00	6.00	6.00	6.00	24.00	29.29	29.04	29.20	5	0.25	9.6	-31.0	

### Monthly Statistics

Avg Sky Cover	Ceiling (hrs)												Altimeter			Total Obs Taken	Min Wind Chill																						
	< 500				< 1000				< 3000				Max	Min	Avg																								
	00-06L	06-12L	12-18L	18-24L	00-06L	06-12L	12-18L	18-24L	00-06L	06-12L	12-18L	18-24L																											
7	25.5	19.9	21.5	20.1	36.3	29.6	36.6	38.5	67.0	72.0	58.5	57.3	29.80	2.00	28.79	128	-58.0																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Total Hrs =or&lt; 500:</td> <td>86.9</td> <td>Total Hrs =or&lt; 1000:</td> <td>141.0</td> <td>Total Hrs =or&lt; 3000:</td> <td>245.7</td> </tr> <tr> <td>Total Days =or&lt; 500:</td> <td>11</td> <td>Total Days =or&lt; 1000:</td> <td>15</td> <td>Total Days =or&lt; 3000:</td> <td>23</td> </tr> <tr> <td>% Hrs =or&lt; 500:</td> <td>11.7%</td> <td>% Hrs =or&lt; 1000:</td> <td>18.9%</td> <td>% Hrs =or&lt; 3000:</td> <td>33.0%</td> </tr> <tr> <td>% Days =or&lt; 500:</td> <td>35.5%</td> <td>% Days =or&lt; 1000:</td> <td>48.4%</td> <td>% Days =or&lt; 3000:</td> <td>74.2%</td> </tr> </table>																Total Hrs =or< 500:	86.9	Total Hrs =or< 1000:	141.0	Total Hrs =or< 3000:	245.7	Total Days =or< 500:	11	Total Days =or< 1000:	15	Total Days =or< 3000:	23	% Hrs =or< 500:	11.7%	% Hrs =or< 1000:	18.9%	% Hrs =or< 3000:	33.0%	% Days =or< 500:	35.5%	% Days =or< 1000:	48.4%	% Days =or< 3000:	74.2%
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<table border="1" style="float: right;"> <tr> <td>Total Days</td> <td>31</td> </tr> </table>																Total Days	31																						
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Remarks

06Z, 12Z PRECIP NOT MEASURED DUE TO HIGH WINDS  
PRECIP NOT MEASURED DUE TO HIGH WINDS  
18Z PRECIP NOT MEASURED DUE TO HIGH WINDS

12Z PRECIP NOT MEASURED DUE TO HIGH WINDS  
NO PRECIP MEASURED DUE TO HIGH WINDS  
18Z, 12Z PRECIP NOT MEASURED DUE TO HIGH WINDS  
18Z PRECIP NOT MEASURED DUE TO HIGH WINDS

06Z, 12Z PRECIP NOT MEASURED DUE TO HIGH WINDS  
18Z PRECIP NOT MEASURED DUE TO HIGH WINDS

18Z, 00Z, 12Z PRECIP NOT MEASURED DUE TO HIGH WINDS

06Z, 12Z PRECIP NOT MEASURED DUE TO HIGH WINDS  
00Z, 06Z, 12Z PRECIP NOT MEASURED DUE TO HIGH WINDS