

# McMurdo Station Daily Observation Worksheet

Date: 01

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 (hrs)			Alt (in)	Station		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	Press (mb)		Press Tend	SLP (mb)		
12-15Z	50	14	-14.9	-27.5				1.5	SN	1.5														7	30				29.26	987.0	2004	991.3	
15-18Z	50	10	-15.8	-26.4	-13.4	-16.4		3.0	SN	3.0								21	60	1603				7	30			29.26	987.1	2001	991.4		
18-21Z	60	7	-14.9	-23.6				0.3	SN	3.0													7	23			2.7	29.22	985.7	7014	990.0		
21-24Z		3	-12.8	-19.6	-12.5	-16.6			SN	2.4								11	100	2122				6	23		2.3	29.15	983.5	7022	987.8		
12 hr Max/Min																																	
00-03Z	330	12	-11.9	-16.6																			5	23			0.4	29.07	980.7	7028	985.0		
03-06Z	320	13	-12.7	-17.1	-11.3	-12.8												22	326	500				2	30			29.01	978.6	7021	982.9		
06-09Z	340	9	-13.0	-17.9																			4	25			0.5	28.95	976.5	7021	980.8		
09-12Z	50	7	-13.8	-19.9	-12.3	-14.3												26	330	630				7	25		2.5	28.90	975.1	7014	979.3		
12 hr Max/Min																																	
Avg Wind																																	
Dir	Spd																																
13	9																																
Max Temp																																	
Min Temp																																	
Avg 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																																	
<3000																																	
00-06L																																	
06-12L																																	
12-18L																																	
18-24L																																	
Total Obs Taken																																	
Daily Pres Diff																																	
Daily Temp Diff																																	
8																																	
0.36																																	
5.3																																	

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	60	7	-14.4	-20.4														9				7	25							
15-18Z	80	13	-15.0	-19.8	-13.6	-15.4												13				7	25							
18-21Z	160	6	-16.5	-20.0														12				6	25							
21-24Z	140	11	-16.0	-20.3	-14.4	-17.6												18				7	35							
12 hr Max/Min					-13.6	-17.6																								
00-03Z	50	15	-17.7	-22.3				0.7	1.0	SN	3.0							15				8	35							
03-06Z	40	12	-15.3	-20.1	-15.3	-17.7				SN	3.0							15				7	35							
06-09Z	100	8	-13.9	-23.9						SN	0.2							14				2								
09-12Z	100	12	-16.9	-25.1	-13.6	-16.9												15				1								
12 hr Max/Min					-13.6	-17.7																								
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			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	Pcprn Total	Dir	Spd	Time	Dir	Spd	Time			Time	<500	<1000					
84	11				00-06L	0.0	0.0	0.0	-29.0	-20.2	8.4	0.0	0.0	T		18		90	22	1142	6	25	00-06L	0.0						
																		Altimeter												
																		Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff							
																		29.13	28.88	28.99	8	0.25	4.1							

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

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
3.0	28.88	974.2	7009	978.5	
3.0	28.88	974.2	4000	978.5	
0.5	28.91	975.3	1011	979.6	
	28.96	976.9	2016	981.2	6.6
	29.01	978.5	1016	982.9	
	29.04	979.8	2013	984.1	
	29.08	981.0	2012	985.2	
	29.13	982.7	2017	987.0	7.6

y (hrs)	
<1000	<3000
0.0	6.0
0.0	0.5
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	90	15	-15.4	-25.0											19								1										
15-18Z	60	6	-13.4	-26.3	-13.2	-15.8									14			32	140	1241		2											
18-21Z	100	5	-15.1	-25.9											8							1											
21-24Z		6	-13.4	-24.8	-12.6	-18.5									8			11	100	2329		1											
12 hr Max/Min				-12.6	-18.5																												
00-03Z	50	6	-12.1	-26.0											10							1											
03-06Z	80	6	-12.1	-25.2	-11.3	-13.2									9			13	70	147		2											
06-09Z	90	8	-11.8	-26.4											10							2											
09-12Z	0	0	-13.3	-25.3	-11.4	-14.3									8			13	90	811		4											
12 hr Max/Min				-11.3	-14.3																												
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	hrs	hrs	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500	<1000					
81	7	-11.3	-18.5	-13.7		00-06L	0.0	0.0	0.0	-27.0	-16.6	0.0	0.0	0.0	0.00			19			140	32	1241	2		00-06L	0.0	0.0					
																	Altimeter			Total Obs Taken			Daily Pres Diff			Daily Temp Diff							
																	Max	Min	Avg	8	0.08	7.2											
																	29.24	29.16	29.22														

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03

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.16	983.6	1009	988.0	
	29.19	984.6	2010	988.9	
	29.21	985.3	1007	989.6	
	29.24	986.2	1009	990.6	9.3
	29.23	986.0	6002	990.4	
	29.23	986.2	1002	990.5	
	29.24	986.4	2002	990.8	
	29.24	986.6	2002	990.9	3.9

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
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	70	5	-14.3	-25.8														5				5	150			
15-18Z	90	7	-14.2	-24.8	-13.0	-15.7												8				6	110			
18-21Z	0	0	-13.0	-20.0														7				4	110			
21-24Z	0	0	-12.4	-20.8	-10.2	-14.8												3				3				
12 hr Max/Min					-10.2	-15.7																				
00-03Z	0	0	-9.8	-18.9														2				3				
03-06Z	0	0	-9.7	-17.8	-8.6	-12.7												3				4	320	455		
06-09Z	0	0	-12.8	-17.8														4				5	200			
09-12Z	330	7	-11.0	-16.8	-8.7	-13.8												7				6	90			
12 hr Max/Min					-8.6	-13.8																				
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	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time			Time	<500	
47	2		-8.6	-15.7	-11.0	00-06L	0.0	0.0	0.0	-22.0	-7.6	0.0	0.0	0.0	0.00	8			100	11	1704	5	90	00-06L	0.0	
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																29.25	29.20	29.24	8	0.05	7.1					

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04

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.24	986.5	7001	990.8	
	29.25	986.6	2001	991.0	
	29.25	986.7	2001	991.1	
	29.25	986.8	2001	991.2	0.6
	29.24	986.4	7004	990.7	
	29.24	986.3	7001	990.7	
	29.23	986.0	8003	990.4	
	29.20	985.2	8008	989.5	1.4

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)					Pcpn Amt	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky Cover	Low-est CIG	Ceiling (hr)						
	Zulu	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	330	4	-11.7	-17.5											7							6	80							
15-18Z	0	0	-12.3	-17.1	-10.9	-12.7									5				9	330	1413	6	80							
18-21Z	320	4	-10.7	-16.4											3							7	60							
21-24Z	180	3	-11.7	-16.8	-9.6	-12.5									T	4			6	330	2154	7	70							
12 hr Max/Min					-9.6	-12.7																								
00-03Z		3	-11.3	-16.8											3							7	70							
03-06Z	320	7	-9.7	-15.7	-8.8	-11.4									8				11	320	515	4	70							
06-09Z	0	0	-10.6	-16.0											6							7	70							
09-12Z	0	0	-11.4	-17.0	-9.5	-13.6									2				8	300	613	4	70							
12 hr Max/Min					-8.8	-13.6																								
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	Time	Time	Time	Time	Time	Time	Time			
314	3	-8.8	-13.6	-10.4	00-06L	0.0	0.0	0.0	-16.0	3.2	0.3	0.0	0.0	T	8			320	11	515	6	60	00-06L	0.0						
																Altimeter			Total Obs Taken			Daily Pres Diff		Daily Temp Diff						
																Max	Min	Avg												
																29.19	29.16	29.17												
																			8		0.03		4.8							

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Note 2: Duration should be fractions of an hour.

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05

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.19	984.6	7006	989.0	
	29.18	984.5	6001	988.8	
	29.18	984.3	7002	988.7	
	29.17	984.1	7002	988.5	2.7
	29.16	983.9	7002	988.2	
	29.16	983.7	7002	988.0	
	29.17	984.0	3003	988.3	
	29.17	984.1	1001	988.5	1.1

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
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	50	3	-12.3	-17.5												4						4												
15-18Z	0	0	-14.1	-18.2	-10.9	-14.6										3						4												
18-21Z	0	0	-10.3	-16.8												3						6	200											
21-24Z	100	4	-10.0	-16.6	-8.9	-14.6										5						6	160											
12 hr Max/Min					-8.9	-14.6																												
00-03Z	0	0	-9.5	-15.2												5						6	160											
03-06Z	0	0	-8.7	-17.7	-7.6	-11.1										3						6	140											
06-09Z	60	8	-9.8	-20.0												12						5	140											
09-12Z	40	7	-10.3	-22.5	-8.6	-10.5										9						16	70	814		3	160							
12 hr Max/Min					-7.6	-11.1																												
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	Avg	Low-est	Time	<500	<1000							
59	3			-7.6	-14.6	-9.9	00-06L	0.0	0.0	0.0	-21.0	-5.8	0.0	0.0	0.0	0.00			12			70	16	814	5	140	00-06L	0.0						
																	Altimeter																	
																	Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff												
																	29.32	29.18	29.25	8	0.14	7.0												

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

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06

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.18	984.2	2001	988.6	
	29.19	984.8	3006	989.1	
	29.21	985.4	2006	989.7	
	29.23	986.2	2008	990.5	2.1
	29.26	987.0	2008	991.3	
	29.28	987.7	2007	992.0	
	29.30	988.3	3006	992.6	
	29.32	989.1	2008	993.4	5.0

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

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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	0	0	-11.7	-21.3											4						5	200								
15-18Z	0	0	-9.6	-15.8	-9.6	-12.5									4			5	320	1751	6	200								
18-21Z	320	5	-9.7	-17.9											7						6	200								
21-24Z	0	0	-11.5	-17.0	-7.7	-12.4									6			8	290	1832	6	200								
12 hr Max/Min					-7.7	-12.5																								
00-03Z	0	0	-9.0	-16.2											4						4	200								
03-06Z	310	7	-8.6	-16.4	-7.7	-10.6									8			9	310	545	2									
06-09Z	340	9	-8.7	-14.0											11						1									
09-12Z	340	10	-9.4	-13.5	-7.7	-12.3									10			14	330	1142	2									
12 hr Max/Min					-7.7	-12.3																								
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	Total	Dir	Spd	Time	Dir	Spd	Time	Total Obs Taken	Daily Pres Diff	Daily Temp Diff	Time	<500	<1000				
330	4		-7.7	-12.5	-9.3	00-06L	0.0	0.0	0.0	-20.0	-4.0	0.0	0.0	0.00			11	330	14	1142	8	0.10	4.8	00-06L	0.0	0.0				
						06-12L	0.0	0.0	0.0							Altimeter							06-12L	0.0	0.0					
						12-18L	0.0	0.0	0.0							Max							12-18L	0.0	0.0					
						18-24L	0.0	0.0	0.0							Min							18-24L	0.0	0.0					
																Avg														
																29.44														
																29.34														
																29.41														

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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)			
<3000	29.34	989.7	2006	994.1	
	29.36	990.6	3009	994.8	
	29.40	991.6	2010	995.9	
	29.42	992.3	2007	996.7	6.1
	29.43	992.9	2006	997.1	
	29.44	993.3	2004	997.5	
	29.43	992.9	8004	997.2	
	29.42	992.6	8003	996.9	3.5

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)					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	340	11	-9.2	-14.1											13															
15-18Z	340	11	-9.5	-13.6	-9.2	-10.1									12			18	340	1305										
18-21Z	320	4	-9.1	-12.2											10															
21-24Z	0	0	-6.8	-11.9	-6.8	-11.2									6			14	340	1843										
12 hr Max/Min					-6.8	-11.2																								
00-03Z	0	0	-7.0	-14.0											6															
03-06Z	0	0	-7.0	-14.0	-6.3	-8.1									3			9	20	202										
06-09Z	0	0	-8.6	-14.5											3															
09-12Z		4	-9.8	-12.8	-6.8	-10.8									5			8	350	1148										
12 hr Max/Min					-6.3	-10.8																								
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	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				
337	4		-6.3	-11.2	-7.9	00-06L	0.0	0.0	0.0	-18.0	-0.4	0.0	0.0	0.0	0.00		13		340	18	1305	1		00-06L	0.0					
																Altimeter						1		06-12L		0.0				
																Max			Total Obs Taken			Daily Pres Diff			Daily Temp Diff		12-18L		0.0	
																29.41 29.27 29.34			8			0.14			4.9		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.

08

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.41	992.0	6006	996.2	
	29.39	991.4	7006	995.6	
	29.37	990.9	7005	995.2	
	29.36	990.4	7005	994.7	1.9
	29.34	989.9	7005	994.2	
	29.32	989.1	8008	993.4	
	29.29	987.9	7012	992.2	
	29.27	987.3	7006	991.5	5.3

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)					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
12-15Z	340	5	-8.5	-11.1											7						6	200			
15-18Z	0	0	-8.9	-13.3	-8.0	-9.4									8			11	340	1541	5	200			
18-21Z	0	0	-9.5	-14.3											2						5	200			
21-24Z	0	0	-7.7	-13.1	-6.3	-10.3									5			6	170	2315	2	200			
12 hr Max/Min					-6.3	-10.3																			
00-03Z	260	5	-7.0	-14.0											7						1				
03-06Z	200	4	-9.3	-13.5	-5.1	-10.0									5			10	90	124	1				
06-09Z		6	-7.3	-15.8											6						1				
09-12Z	90	3	-10.0	-15.4	-7.1	-10.4									7			9	90	1117	1				
12 hr Max/Min					-5.1	-10.4																			
Avg Wind		Dir	Spd	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	
Time	<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
271	3			-5.1	-10.4	-6.9	00-06L	0.0	0.0	0.0	-16.0	3.2	0.0	0.0	0.0	0.00	8		340	11	1541	3	200	00-06L	0.0
							06-12L	0.0	0.0	0.0														06-12L	0.0
							12-18L	0.0	0.0	0.0														12-18L	0.0
							18-24L	0.0	0.0	0.0														18-24L	0.0
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff				
																Max	Min	Avg				8	0.03	5.3	

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		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.24	986.4	6009	990.6	
	29.22	985.8	7006	990.0	
	29.22	985.7	6001	989.9	
	29.22	985.8	3001	990.0	4.6
	29.21	985.3	8005	989.6	
	29.21	985.4	2001	989.7	
	29.22	985.6	1002	989.8	
	29.22	985.8	1002	990.0	1.5

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

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## 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	50	3	-9.5	-15.7												4							1									
15-18Z	0	0	-9.2	-18.8	-6.8	-10.8										6				7	90	1609	0									
18-21Z	60	14	-10.4	-20.4												16							0									
21-24Z	30	15	-9.6	-20.7	-6.9	-10.5										14				19	50	2310	1									
12 hr Max/Min					-6.8	-10.8																										
00-03Z	100	7	-10.6	-18.3												16							1									
03-06Z	310	4	-8.3	-11.9	-6.8	-11.7										8				21	40	116	6									
06-09Z	330	7	-8.8	-13.0												8							2									
09-12Z		6	-8.8	-13.4	-8.0	-9.0										9				12	350	931	1									
12 hr Max/Min					-6.8	-11.7																										
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	Dir	Spd	Time	Time	<500	<1000						
37	7		-6.8	-11.7	-8.4	00-06L	0.0	0.0	0.0	-22.0	-7.6	4.3	0.0	0.0	T	16			40	21	116			2		00-06L	0.0					
																	Altimeter															
																	Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff										
																	29.33	29.23	29.28	8	0.10	4.9										

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.

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s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.23	986.0	3002	990.2	
	29.24	986.3	3003	990.5	
	29.25	986.7	3004	991.0	
	29.26	987.0	2003	991.2	1.2
	29.28	987.9	3009	992.2	
	29.31	988.7	2008	993.0	
	29.32	989.1	2004	993.4	
	29.33	989.6	2005	993.8	3.8

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)					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	330	6	-9.9	-12.7																							
15-18Z	330	6	-9.3	-14.8	-9.3	-9.9				IC	1.5																
18-21Z	340	9	-9.0	-14.7																							
21-24Z	330	8	-8.1	-14.2	-8.1	-9.5																					
12 hr Max/Min					-8.1	-9.9																					
00-03Z	320	5	-7.9	-13.5																							
03-06Z	340	5	-8.0	-13.3	-7.7	-8.8																					
06-09Z	340	7	-8.9	-14.4																							
09-12Z	340	8	-9.5	-14.3	-8.0	-9.6																					
12 hr Max/Min					-7.7	-9.6																					
Avg Wind		Dir	Spd	Temp	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		
Time	<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
	334	7		-7.7	-9.9	-8.4	00-06L	0.0	0.0	0.0	-19.0	-2.2	3.0	0.0	0.0	T		16		350	14	2109	1		00-06L	0.0	
							06-12L	0.0	0.0	0.0															06-12L	0.0	
							12-18L	0.0	0.0	0.0															12-18L	0.0	
							18-24L	0.0	0.0	0.0															18-24L	0.0	
																Altimeter											
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff						
																29.34	29.30	29.33	8	0.04	2.2						

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.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.34	989.7	1001	994.0	
	29.34	989.7	4000	994.0	
	29.34	989.8	2001	994.1	
	29.34	989.8	4000	994.1	2.8
	29.34	989.6	7002	993.9	
	29.32	989.1	7005	993.3	
	29.31	988.9	8002	993.1	
	29.30	988.5	8004	992.7	1.1

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)								
	Zulu	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	340	3	-10.4	-15.1												9																
15-18Z	320	5	-10.0	-14.8	-9.9	-10.1										7			13	340	1216											
18-21Z	320	4	-8.8	-13.6												6																
21-24Z	320	5	-8.4	-13.4	-8.0	-10.1										6			8	310	2321											
12 hr Max/Min					-8.0	-10.1																										
00-03Z	310	5	-8.1	-13.4												5																
03-06Z	310	6	-8.8	-13.1	-7.9	-9.0										8			11	320	519											
06-09Z	330	4	-9.4	-13.7												9																
09-12Z	360	5	-9.7	-13.6	-8.7	-9.8										8			12	320	645											
12 hr Max/Min					-7.9	-9.8																										
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			Time	<500	<1000					
325	5			-7.9	-10.1	-8.6	00-06L	0.0	0.0	0.0	-17.0	1.4	4.9	0.0	0.0	T			9	340	13	1216			00-06L	0.0						
																	Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff								
																	Max	Min	Avg	8	0.06	2.2										
																	29.35	29.29	29.32													

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	29.29	987.9	8006	992.2	
	29.29	988.2	3003	992.5	
	29.30	988.5	1003	992.7	
	29.32	989.0	1005	993.2	0.8
	29.32	989.1	1001	993.4	
	29.33	989.5	1004	993.7	
	29.34	989.7	1002	994.0	
	29.35	990.2	1005	994.5	1.7

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	340	5	-9.6	-13.7					SN/IC	3.0					T	8							7	22						
15-18Z	350	3	-9.4	-14.1	-9.2	-9.8			SN/IC	3.0								11	350	1556		7	22							
18-21Z		3	-9.8	-13.1					SN/IC	3.0												7	22							
21-24Z	0	0	-8.9	-14.7	-8.5	-9.9			SN	3.0					T	6		9	320	2126		6	20							
12 hr Max/Min																														
00-03Z		4	-8.9	-14.9					SN	3.0												4	22							
03-06Z		4	-8.7	-14.3	-8.2	-9.5			SN/IC	3.0					T	6		9	310	324		4								
06-09Z		5	-9.6	-14.7					IC	1.2												7	22							
09-12Z		3	-10.3	-15.2	-8.8	-10.7			SN	1.6					T	6		9	340	844		7	21							
12 hr Max/Min																														
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			Max Wind			Max Gust					Ceiling						
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Pcpn Total	Dir	Spd	Time	Dir	Spd	Time	Avg Sky Cover	Low-est CIG	Time	<500	<1000					
344	3		-8.2	-10.7	00-06L	0.0	0.0	0.0	-17.0	1.4	20.8	0.0	0.0	T		8		350	11	1556	6	20	00-06L	0.0	0.0					
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.35	29.27	29.32	8	0.08	2.5									

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.

13

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure	
	Alt (in)	Press (mb)				
<3000	2.0	29.35	989.9	6003	994.2	
	3.0	29.35	990.1	0002	994.3	
	3.0	29.35	990.2	1001	994.4	
	3.0	29.34	989.8	6004	994.1	0.8
	2.5	29.32	989.0	7008	993.2	
		29.30	988.3	7007	992.5	
	1.5	29.29	987.9	6004	992.2	
	3.0	29.27	987.3	8006	991.6	2.9

Dir (hrs)	
<1000	<3000
0.0	5.0
0.0	6.0
0.0	2.5
0.0	4.5

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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	0	0	-9.9	-15.3												4							7	21		
15-18Z	90	4	-10.3	-15.6	-9.5	-10.6				SN	3.0					T	5					7	100	1731	7	22
18-21Z		6	-10.5	-15.4						SN	3.0						7						7	21		
21-24Z	110	7	-10.7	-15.5	-9.8	-11.1				SN	1.7					T	8					11	110	2345	2	26
12 hr Max/Min					-9.5	-11.1																				
00-03Z		4	-9.9	-16.1													9						2			
03-06Z	0	0	-8.8	-17.0	-8.6	-11.8											6					12	110	16	6	30
06-09Z	0	0	-9.5	-16.0													3						3	30		
09-12Z	110	11	-15.0	-19.0	-8.7	-17.4											15					21	100	1038	1	
12 hr Max/Min					-8.6	-17.4																				
Avg Wind		Dir	Spd	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		
Time	<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
106	4			-8.6	-17.4	-11.5	00-06L	0.0	0.0	0.0	-26.0	-14.8	10.7	0.0	0.0	T		15	100	21	1038	4	21	00-06L	0.0	
							06-12L	0.0	0.0	0.0								Altimeter							06-12L	0.0
							12-18L	0.0	0.0	0.0								Max	Min	Avg					12-18L	0.0
							18-24L	0.0	0.0	0.0								29.26	29.14	29.22					18-24L	0.0
																		8	0.12	8.8						

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.

14

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
3.0	29.25	986.9	6004	991.1	
3.0	29.25	986.8	5001	991.1	
3.0	29.26	987.2	3004	991.4	
1.1	29.25	986.7	8005	991.0	3.1
	29.22	985.7	7010	990.0	
	29.19	984.8	7009	989.1	
	29.18	984.2	7006	988.5	
	29.14	983.1	8011	987.4	4.2

j (hrs)	
<1000	<3000
0.0	6.0
0.0	4.1
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	90	4	-14.6	-18.5																													
15-18Z	90	9	-18.3	-21.0	-13.4	-18.3												14	90	1735													
18-21Z	0	0	-13.3	-18.4																													
21-24Z	0	0	-11.0	-16.6	-10.9	-17.6												12	80	1815													
12 hr Max/Min					-10.9	-18.3																											
00-03Z	0	0	-10.9	-15.8					SN	0.6													6	25									
03-06Z	310	12	-9.5	-14.3	-9.1	-12.6			SN	2.2					T			20	320	332			5	20									
06-09Z	320	9	-11.2	-15.0																			2										
09-12Z	340	13	-11.7	-15.8	-9.4	-11.8												25	330	1110			7	140									
12 hr Max/Min					-9.1	-12.6																											
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		Dir	Spd	Time	Dir	Spd	Time			Time	<500	<1000						
347	6			-9.1	-18.3	-12.2	00-06L	0.0	0.0	0.0	-22.0	-7.6	2.8	0.0	0.0	T			17			330	25	1110			00-06L	0.0					
																	Altimeter																
																	Max			Total Obs Taken		Daily Pres Diff		Daily Temp Diff									
																	29.09			8		0.34		9.2									

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.

: 15

s)	Station				24-Hour Pressure	
	Alt (in)	Press (mb)	Press Tend	SLP (mb)		
<3000	29.09	981.2	8019	985.6		
	29.03	979.4	7018	983.7		
	28.98	977.6	7018	981.9		
	28.90	974.9	7027	979.2	11.8	
	1.9	28.82	972.3	7026	976.6	
	3.0	28.77	970.5	7018	974.7	
		28.75	969.9	7006	974.2	
		28.75	969.8	6001	974.0	13.3

y (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	4.9
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	330	16	-10.0	-14.0					SN	0.5					T	17							7	19					
15-18Z	330	10	-11.1	-14.4	-10.2	-11.6			SN	1.3								23	310	1448		2	19						
18-21Z	320	6	-10.1	-14.0												14						1							
21-24Z	330	12	-9.1	-13.1	-8.8	-11.0										13						1							
12 hr Max/Min					-8.8	-11.6																							
00-03Z	330	14	-9.0	-13.1					SN	0.5						15						7	23						
03-06Z	340	9	-9.2	-13.4	-8.2	-9.4			SN	2.8					T	15			21	320	104		4	23					
06-09Z	330	11	-9.7	-14.4												15						5	25						
09-12Z	330	10	-9.6	-14.6	-8.9	-9.8			SN	1.3					T	12						7	24						
12 hr Max/Min					-8.2	-9.8																							
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			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	Pcprn Total	Dir	Spd	Time	Dir	Spd	Time	Avg	Low-est	Time	<500	<1000				
330	11		-8.2	-11.6	00-06L	0.0	0.0	0.0	-21.0	-5.8	6.3	0.0	0.0	T		17		310	23	1448	4	19	00-06L	0.0					
															Altimeter														
															Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
															29.19	28.78	28.98	8	0.41	3.4									

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.

16

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
0.5	28.78	970.7	3009	974.9	
1.0	28.83	972.7	3020	976.9	
	28.90	974.8	1021	979.0	
	28.95	976.6	3018	980.8	1.7
0.7	29.00	978.4	3018	982.6	
2.1	29.06	980.4	3020	984.7	
2.5	29.12	982.5	3021	986.7	
3.0	29.19	984.6	2021	988.9	14.8
j (hrs)					
<1000	<3000				
0.0	1.5				
0.0	0.0				
0.0	2.8				
0.0	5.5				

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## McMurdo Station Daily Observation Worksheet

Date

Time	Winds			Dew Pt	3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)					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	340	6	-9.3	-15.6																												
15-18Z	30	3	-8.8	-15.4	-8.7	-9.6				SN	3.0																					
18-21Z	40	11	-10.7	-16.7						SN	1.5																					
21-24Z	100	9	-12.1	-17.7	-8.4	-13.9																										
12 hr Max/Min																																
00-03Z	90	5	-10.3	-16.5																												
03-06Z	100	7	-9.8	-17.8	-7.8	-12.3																										
06-09Z	3	3	-10.8	-15.5																												
09-12Z	90	8	-12.6	-18.4	-8.9	-14.1																										
12 hr Max/Min																																
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	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Time			<500	<1000						
69	7		-7.8	-14.1	-9.9	00-06L	0.0	0.0	0.0	-21.0	-5.8	7.0	0.0	0.0	T		13		100	17	1846			00-06L	0.0							
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff											
																Max	Min	Avg				8	0.14	6.3								
																29.38	29.24	29.34														

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	29.24	986.5	2019	990.7	
3.0	29.30	988.5	2020	992.7	
2.8	29.35	990.2	1017	994.4	
	29.37	990.8	1006	995.2	14.2
	29.38	991.0	0002	995.3	
	29.37	990.8	8002	995.0	
	29.36	990.4	7004	994.7	
	29.33	989.3	8011	993.6	4.7

j (hrs)	
<1000	<3000
0.0	5.8
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	90	9	-15.0	-19.2											10								1							
15-18Z	80	5	-12.8	-16.6	-11.8	-16.2									10			15	110	1428		7	9		1.2					
18-21Z		6	-12.0	-15.7											9							7	9		0.5					
21-24Z	30	7	-11.8	-16.1	-10.8	-13.6									8			13	40	2007		7	30							
12 hr Max/Min					-10.8	-16.2																								
00-03Z	30	8	-11.5	-16.8											10							7	40							
03-06Z	60	13	-14.6	-20.7	-11.0	-14.7									13			19	70	530		8	39							
06-09Z	80	11	-14.7	-20.1											15							8	39							
09-12Z	70	13	-16.5	-20.7	-14.5	-16.5									14			22	70	732		8	40							
12 hr Max/Min					-11.0	-16.5																								
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	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	hrs	Dir	Spd	Time	Dir	Spd	Time	Time	Time	Time	Time	Time	Time			
64	9	-10.8	-16.5	-12.7		00-06L	0.0	0.0	0.0	-27.0	-16.6	15.8	2.0	0.0	T		15		70	22	732		7	9	00-06L	0.0				
																Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff							
																29.29	29.11	29.18	8	0.18	5.7									

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.

18

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.29	988.0	7013	992.4	
1.2	29.26	986.9	7011	991.3	
0.5	29.22	985.6	7013	989.9	
	29.18	984.3	6013	988.7	6.5
	29.14	983.2	6011	987.5	
	29.13	982.7	5005	987.0	
	29.13	982.6	8001	986.9	
	29.11	982.1	5005	986.5	7.2

Station	
<1000	<3000
1.2	1.2
0.5	0.5
0.0	0.0
0.0	0.0

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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)					Pcpn 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	50	9	-15.6	-19.5					3.0	SN	3.0	BR	2.2				15					8	40							
15-18Z		3	-14.2	-18.4	-12.9	-16.6			3.0	SN	3.0	BR	3.0			0.01	16				19	80	1250	8	40					
18-21Z	90	7	-16.7	-20.0					2.0	SN	3.0	BR	2.0				8					7	40							
21-24Z		3	-15.1	-18.8	-13.3	-16.9				SN	2.8					T	7				10	100	2129	3	70					
12 hr Max/Min					-12.9	-16.9																								
00-03Z	0	0	-11.6	-16.1													6					1								
03-06Z	270	3	-11.2	-16.4	-10.2	-15.7											5				9	100	29	1						
06-09Z	0	0	-11.3	-15.6													5						2							
09-12Z	0	0	-11.3	-15.2	-10.9	-12.8											5				7	310	734	1						
12 hr Max/Min					-10.2	-15.7																								
Avg Wind		Dir	Spd	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						
Time	<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			
62	3			-10.2	-16.9	-12.4	00-06L	0.0	0.0	6.0	-29.0	-20.2	11.8	7.2	0.0	0.01	16		80	19	1250	4	40	00-06L	0.0					
							06-12L	0.0	0.0	2.0														06-12L	0.0					
							12-18L	0.0	0.0	0.0														12-18L	0.0					
							18-24L	0.0	0.0	0.0														18-24L	0.0					
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.18	29.08	29.11	8	0.10	6.7									

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.

19

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.09	981.4	7007	985.7	
	29.08	981.1	6003	985.4	
	29.09	981.2	0001	985.5	
	29.09	981.4	3002	985.7	2.9
	29.10	981.6	3002	985.9	
	29.11	982.1	3005	986.4	
	29.14	983.2	2011	987.5	
	29.18	984.5	2013	988.8	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)					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	0	0	-13.1	-16.0											2								6	100														
15-18Z	60	12	-16.6	-20.7	-11.2	-17.1									19			22	50	1741		6	180															
18-21Z	80	16	-16.4	-20.4											22							4																
21-24Z	80	15	-16.4	-20.2	-16.0	-18.2									T		1.7					4																
12 hr Max/Min					-11.2	-18.2																																
00-03Z	90	19	-16.4	-20.5											20							3																
03-06Z	100	17	-17.0	-21.0	-15.5	-17.0									20			25	90	312		3																
06-09Z	110	16	-17.6	-21.5											21							2																
09-12Z	80	12	-19.0	-22.6	-17.1	-19.0									19			25	80	1002		1																
12 hr Max/Min					-15.5	-19.0																																
Avg Wind		Dir	Spd	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														
Time	<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											
87	13			-11.2	-19.0	-13.8	00-06L	0.0	0.0	0.0	-32.0	-25.6	1.7	0.0	0.0	T		23	80	29	2206	4	100	00-06L	0.0													
																Altimeter																						
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff																	
																29.47	29.23	29.39	8	0.24	7.8																	

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.

: 20

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.23	986.0	2015	990.3	
	29.29	988.0	2020	992.3	
	29.35	990.2	3022	994.5	
	29.41	992.0	2018	996.3	10.6
	29.43	992.8	2008	997.1	
	29.45	993.4	2006	997.9	
	29.47	994.1	3007	998.6	
	29.46	993.9	8002	998.4	9.4

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		Temp	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			Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs		hrs	Spd	Dir	Time	Spd	Dir			Time	<500	<1000
12-15Z	80	8	-16.7	-21.8												17							1			
15-18Z	220	3	-13.4	-21.3	-12.9	-19.0										9		20	70	1206		0				
18-21Z		3	-12.5	-19.5												9						0				
21-24Z	0	0	-10.8	-20.0	-9.8	-15.4										6		10	160	1805		1				
12 hr Max/Min					-9.8	-19.0																				
00-03Z	0	0	-9.1	-23.0												6						1				
03-06Z	100	7	-8.9	-22.1	-8.5	-10.1										11		15	100	525		6	200			
06-09Z	120	12	-9.3	-22.0												13						6	190			
09-12Z	110	9	-10.8	-22.1	-9.2	-12.3										16		22	140	903		6	190			
12 hr Max/Min					-8.5	-12.3																				
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	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time	Time			<500	<1000
109	5	-8.5	-19.0	-12.0		00-06L	0.0	0.0	0.0	-28.0	-18.4	0.0	0.0	0.0	0.00		17		140	22	903	3	190	00-06L	0.0	
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																Max	Min	Avg								
																29.43	29.17	29.29	8	0.26	10.5					

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				24-Hour Pressure
	Alt (in)	Press (mb)	Press Tend	SLP (mb)	
<3000	29.43	992.8	7011	997.2	
	29.39	991.6	7012	995.9	
	29.37	990.6	7010	994.9	
	29.31	988.7	8019	993.1	3.3
	29.25	986.7	8020	991.1	
	29.22	985.6	6011	989.9	
	29.19	984.7	6009	989.0	
	29.17	984.1	6006	988.4	9.8

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)					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	110	9	-10.0	-22.9											12						5	190								
15-18Z	110	10	-10.6	-22.3	-9.5	-10.7									11			19	150	1540	5	190								
18-21Z	100	8	-8.0	-22.3											11						6	180								
21-24Z		6	-7.4	-21.4	-7.1	-9.8									9			16	60	1843	4									
12 hr Max/Min																														
00-03Z	90	8	-6.7	-20.0											10						2									
03-06Z	110	9	-5.6	-21.1	-5.5	-7.5									10			15	80	318	1									
06-09Z		3	-5.7	-20.8											9						1									
09-12Z		3	-5.7	-22.4	-5.3	-6.5									8			15	110	635	1									
12 hr Max/Min																														
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			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	Pcpn Total	Dir	Spd	Time	Dir	Spd	Time			Time	<500	<1000					
105	7		-5.3	-10.7	-7.1	00-06L	0.0	0.0	0.0	-20.0	-4.0	0.0	0.0	0.00		12		150	19	1540	3	180	00-06L	0.0	0.0					
																Altimeter														
																Max			Total Obs Taken		Daily Pres Diff		Daily Temp Diff							
																29.15 29.07 29.11			8		0.08		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.

: 22

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.15	983.5	7006	987.7	
	29.15	983.3	6002	987.5	
	29.14	982.9	7004	987.2	
	29.13	982.8	6001	987.0	5.9
	29.10	981.8	7010	986.0	
	29.08	980.9	7009	985.2	
	29.07	980.7	8002	985.0	
	29.07	980.6	6001	984.7	3.5

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

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## 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	60	10	-7.5	-22.3											13								0					
15-18Z	70	8	-6.9	-20.9	-5.6	-9.3									12			16	70	1507		1						
18-21Z	0	0	-5.1	-20.5											8							1						
21-24Z	0	0	-3.6	-20.3	-3.5	-7.4									4			10	50	1820		1						
12 hr Max/Min																												
00-03Z	80	14	-7.3	-21.4											13							2						
03-06Z	70	12	-6.4	-20.6	-3.9	-7.6									15			21	70	256		2						
06-09Z	110	8	-6.2	-19.5											13							7	200					
09-12Z	110	10	-7.2	-20.2	-5.9	-7.2									12			16	70	605		7	200					
12 hr Max/Min																												
Avg Wind						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			Time	<500	<1000			
82	8		-3.5	-9.3	00-06L	0.0	0.0	0.0	-17.0	1.4	0.0	0.0	0.0	0.00	15			70	21	256	3	200	00-06L	0.0				
															Altimeter													
															Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff								
															29.06	29.05	29.06	8	0.01	5.8								

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.

: 23

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.06	980.3	8003	984.5	
	29.05	979.9	6004	984.1	
	29.06	980.2	3003	984.3	
	29.06	980.2	4000	984.3	2.6
	29.06	980.2	4000	984.4	
	29.05	980.2	4000	984.4	
	29.06	980.5	0003	984.7	
	29.06	980.3	8002	984.5	0.3

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	110	12	-9.6	-17.7												24						7	200									
15-18Z	70	9	-7.3	-19.6	-7.0	-10.0										17						8	200									
18-21Z	130	18	-6.8	-16.5												22						7	130									
21-24Z	70	11	-6.6	-14.2	-6.0	-7.4										19						8	90									
12 hr Max/Min					-6.0	-10.0																										
00-03Z	140	20	-7.3	-10.2					SN	1.5						23						8	50									
03-06Z	150	21	-6.7	-9.5	-5.6	-6.9			SN	2.5					T	20						8	50									
06-09Z	130	15	-7.2	-9.4					SN	2.9						22						8	15									
09-12Z	130	15	-7.7	-10.0	-6.7	-7.8			SN	3.0					T	21						8	15									
12 hr Max/Min					-5.6	-7.8																										
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			Max Wind			Max Gust					Ceiling								
Dir	Spd	Dir	Spd	Temp	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Pcpn Total	Dir	Spd	Time	Dir	Spd	Time	Avg Sky Cover	Low-est CIG	Time	<500					
124	15			-5.6	-10.0	-7.1		00-06L	0.0	0.0	0.0	-21.0	-5.8	9.9	0.0	0.0	T		24		160	38	2044	8	15	00-06L	0.0					
																	Altimeter															
																	Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff										
																	29.08	29.05	29.06	8	0.03	4.4										

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.

: 24

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.07	980.7	3004	984.9	
	29.05	980.2	6005	984.4	
	29.05	980.0	6002	984.3	
	29.06	980.3	0003	984.5	0.1
	29.05	979.8	8005	984.0	
	29.05	980.0	3002	984.2	
2.0	29.06	980.6	0006	984.8	
3.0	29.08	981.0	1004	985.2	0.7

y (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	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)					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	140	13	-8.4	-10.3			0.8	0.8	SN	3.0	BR	0.8			T	27							8	10		
15-18Z	150	25	-9.4	-11.0	-7.7	-9.4		0.2	2.1	SN	2.4	BR	0.3				37	140	1726			8	10			
18-21Z	150	19	-8.6	-11.0						SN	1.6											8	50			
21-24Z	160	19	-6.9	-9.6	-6.6	-9.1				SN	3.0				T	22						8	45			
12 hr Max/Min					-6.6	-9.4																				
00-03Z	160	21	-6.9	-9.8						SN	0.6											7	55			
03-06Z	110	11	-6.3	-11.0	-6.3	-7.4									T	22						8	55			
06-09Z	100	8	-6.9	-9.9						SN	2.6											8	30			
09-12Z	130	9	-7.4	-11.0	-7.2	-7.5				SN/SG	3.0				T	12						8	20			
12 hr Max/Min					-6.3	-7.5																				
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	CIG	Time	<500	
144	16	-6.3	-9.4	-7.3	-7.3	00-06L	0.0	1.0	2.9	-20.0	-4.0	16.3	1.1	0.0	T				140	37	1726	8	10	00-06L	0.0	
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																29.12	29.06	29.10	8	0.06	3.1					

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.

: 25

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
3.0	29.08	980.9	8001	985.1	
0.5	29.06	980.4	8005	984.6	
	29.10	981.6	0012	985.9	
	29.12	982.3	3007	986.5	2.0
	29.09	981.3	7010	985.5	
	29.11	981.8	3005	986.0	
	29.12	982.4	1006	986.7	
0.8	29.12	982.4	4000	986.7	1.4

  

y (hrs)	
<1000	<3000
0.0	3.5
0.0	0.0
0.0	0.0
0.0	0.8

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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	100	9	-7.1	-10.5						SN/SG	3.0						12					8	40			
15-18Z	140	15	-6.9	-9.9	-6.9	-8.4				SN/SG	1.5				T		20					8	40			
18-21Z	90	8	-5.7	-9.9						SN/SG/IC	2.4						11					7	40			
21-24Z	150	13	-5.5	-10.1	-5.4	-7.2				SN	1.7				0.01		14					7	40			
12 hr Max/Min																										
00-03Z	100	9	-6.1	-9.6						2.5 SN	2.5						13					8	20			
03-06Z	110	8	-7.0	-9.1	-4.8	-7.0	0.4	2.8	3.0	SN	3.0				0.02		11					8	20			
06-09Z	40	13	-8.0	-10.6						2.3 SN	2.3						15					8	40			
09-12Z		4	-6.1	-11.3	-6.1	-8.3									T		12					7	45			
12 hr Max/Min																										
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			Max Wind			Max Gust					Ceiling		
Dir	Spd	Dir	Spd	Max Temp	Min Temp	Avg Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Pcprn Total	Dir	Spd	Time	Dir	Spd	Time	Avg Sky Cover	Low-est CIG	Time	<500
108	10			-4.8	-8.4	-6.0	00-06L	0.0	0.0	0.0	-16.0	3.2	16.3	0.0	0.0	0.03		20		140	28	1537	8	20	00-06L	0.0
																Altimeter										
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																29.16	29.12	29.14	8	0.04	3.6					

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.

: 26

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.12	982.4	5000	986.7	
	29.12	982.4	5000	986.6	
	29.15	983.2	3008	987.4	
	29.14	983.0	6002	987.2	0.7
0.8	29.15	983.5	3005	987.7	
3.0	29.15	983.5	0000	987.7	
0.1	29.15	983.3	8002	987.5	
	29.16	983.5	5002	987.8	1.1

y (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	3.8
0.0	0.1

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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)					Pcpn 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	90	4	-6.4	-11.1						SN	1.1																							
15-18Z	0	0	-7.9	-11.0	-5.8	-7.9				SN	1.3																							
18-21Z		4	-5.7	-10.7																														
21-24Z	60	8	-6.8	-12.7	-5.3	-7.9				SN	0.9																							
12 hr Max/Min					-5.3	-7.9																												
00-03Z	60	16	-8.2	-11.9																														
03-06Z	50	12	-7.8	-11.8	-7.0	-8.9																												
06-09Z	50	8	-7.5	-11.9						SN	0.6																							
09-12Z	0	0	-7.9	-12.0	-5.5	-8.0				SN	0.8																							
12 hr Max/Min					-5.5	-8.9																												
Avg Wind		Dir	Spd	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										
Time	<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							
58		7		-5.3	-8.9	-6.5	00-06L	0.0	0.0	0.0	-17.0	1.4	4.7	0.0	0.0	T		17	60	20	153	7	36	00-06L	0.0									
							06-12L	0.0	0.0	0.0															06-12L	0.0								
							12-18L	0.0	0.0	0.0															12-18L	0.0								
							18-24L	0.0	0.0	0.0															18-24L	0.0								
																Altimeter																		
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff													
																29.25	29.15	29.20	8	0.10	3.6													

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.

: 27

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.15	983.2	7003	987.5	
	29.16	983.5	2003	987.8	
	29.18	984.2	3007	988.5	
	29.19	984.8	2006	989.0	1.8
	29.21	985.3	3005	989.5	
	29.22	985.6	3003	989.8	
	29.24	986.3	3007	990.5	
	29.25	986.6	2003	990.9	3.1

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	150	6	-5.8	-14.3											7								8	60		
15-18Z	100	3	-6.1	-13.0	-5.7	-8.6									7			10	120	1421		8	55			
18-21Z		3	-5.5	-11.9											7							7	55			
21-24Z		6	-5.6	-13.9	-5.2	-6.9									8			12	90	2249		8	130			
12 hr Max/Min					-5.2	-8.6																				
00-03Z	40	12	-6.2	-12.5											12							7	190			
03-06Z		6	-4.9	-12.9	-4.6	-6.5									12			17	40	242		8	200			
06-09Z	70	6	-5.7	-16.7											8							3	200			
09-12Z	30	6	-5.3	-18.1	-4.1	-6.5									9			12	40	1023		6	65			
12 hr Max/Min					-4.1	-6.5																				
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	Dir	Spd	Time	Dir	Spd	Time	Temp	Temp	Time	<500	<1000	
64	6		-4.1	-8.6	-5.6	00-06L	0.0	0.0	0.0	-13.0	8.6	0.0	0.0	0.0	0.00	12		40	17	242		7	55	00-06L	0.0	
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																Max	Min	Avg	8	0.10	4.5					
																29.35	29.25	29.31								

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.

: 28

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.25	986.7	2001	991.0	
	29.27	987.4	3007	991.7	
	29.30	988.5	1011	992.8	
	29.31	988.9	1004	993.1	4.1
	29.31	988.8	8001	993.0	
	29.32	989.2	2004	993.4	
	29.35	990.1	2009	994.3	
	29.35	990.3	2002	994.4	3.7

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)					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
12-15Z	170	5	-7.3	-15.0											5						7	180			
15-18Z	0	0	-4.8	-13.6	-4.8	-7.5									7			9	150	1455	7	60			
18-21Z	150	8	-4.8	-13.9											9						8	60			
21-24Z	130	11	-5.6	-12.9	-4.3	-5.9									12			20	150	2316	8	70			
12 hr Max/Min																									
00-03Z	90	14	-5.0	-12.0											13						7	80			
03-06Z	70	14	-7.7	-11.4	-4.2	-7.7									24			30	170	352	7	40			
06-09Z	90	14	-9.3	-12.5											19						7	60			
09-12Z	70	15	-10.3	-14.0	-7.8	-10.7									18			23	60	1020	8	65			
12 hr Max/Min																									
Avg Wind		Dir	Spd	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	
Time	<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
00-06L	0.0	0.0	0.0	-20.0	-4.0	0.0	0.0	0.0	0.00						24			170	30	352	7	40	00-06L	0.0	
06-12L	0.0	0.0	0.0												Altimeter								06-12L	0.0	
12-18L	0.0	0.0	0.0												Max	Min	Avg						12-18L	0.0	
18-24L	0.0	0.0	0.0												29.41	29.36	29.38						18-24L	0.0	
																8	0.05	6.5							

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.

: 29

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.36	990.3	4000	994.6	
	29.37	990.9	1006	995.0	
	29.38	991.2	1003	995.4	
	29.39	991.5	2003	995.8	2.6
	29.37	990.8	6007	994.9	
	29.39	991.5	3007	995.7	
	29.41	992.1	1006	996.4	
	29.40	991.9	8002	996.1	1.6

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	90	8	-7.0	-14.2											18								8	60								
15-18Z	0	0	-7.7	-13.1	-6.1	-10.1									12			21	60	1324			8	60								
18-21Z	50	14	-8.1	-13.4											13								8	90								
21-24Z	140	6	-5.3	-15.1	-5.1	-8.5									14			20	40	2050			8	90								
12 hr Max/Min					-5.1	-10.1																										
00-03Z	150	7	-5.8	-13.7											10								8	90								
03-06Z	100	7	-5.5	-13.2	-5.3	-6.1									12			15	160	444			7	90								
06-09Z	50	5	-5.7	-15.8											8								7	90								
09-12Z	0	0	-6.2	-14.6	-5.3	-6.2									7			10	50	859			7	90								
12 hr Max/Min					-5.3	-6.2																										
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	Cover	CIG	Time	<500	<1000					
89	6			-5.1	-10.1	-6.8	00-06L	0.0	0.0	0.0	-18.0	-0.4	0.0	0.0	0.0	0.00		18		60	21	1324	8	60	00-06L	0.0						
																	Altimeter															
																	Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff										
																	29.40	29.32	29.37	8	0.08	5.0										

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

s)	Station				24-Hour Pressure
	Alt (in)	Press (mb)	Press Tend	SLP (mb)	
<3000	29.39	991.5	7004	995.8	
	29.40	991.7	2002	996.0	
	29.38	991.3	6004	995.5	
	29.38	991.2	7001	995.4	0.3
	29.37	990.9	8003	995.2	
	29.37	990.8	6001	995.1	
	29.35	990.1	7007	994.3	
	29.32	989.0	7011	993.2	2.9

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

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Station:  
NZCM

### Monthly Climatology / Page 1

Month:  
NOV 2014

Date	Temp (C)			Visibility (hrs)												WX and Duration				Pcpn 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	-11.3	-16.6	-13.1											4.50	0.33			4.83	9.92			9.92	T	9	13	18	
2	-13.6	-17.7	-15.0								0.72			0.72				0.95	8.35			8.35	T	11	84	18	
3	-11.3	-18.5	-13.7																					7	81	19	
4	-8.6	-15.7	-11.0																					2	47	8	
5	-8.8	-13.6	-10.4																0.25			0.25	T	3	314	8	
6	-7.6	-14.6	-9.9																					3	59	12	
7	-7.7	-12.5	-9.3																					4	330	11	
8	-6.3	-11.2	-7.9																					4	337	13	
9	-5.1	-10.4	-6.9																					3	271	8	
10	-6.8	-11.7	-8.4																4.30			4.30	T	7	37	16	
11	-7.7	-9.9	-8.4																3.00			3.00	T	7	334	16	
12	-7.9	-10.1	-8.6																4.90			4.90	T	5	325	9	
13	-8.2	-10.7	-9.0																20.75			20.75	T	3	344	8	
14	-8.6	-17.4	-11.5																10.67			10.67	T	4	106	15	
15	-9.1	-18.3	-12.2																2.78			2.78	T	6	347	17	
16	-8.2	-11.6	-9.3																6.30			6.30	T	11	330	17	
17	-7.8	-14.1	-9.9																7.00			7.00	T	7	69	13	
18	-10.8	-16.5	-12.7																15.83	2.00		17.83	T	9	64	15	
19	-10.2	-16.9	-12.4											6.00	2.00			8.00	11.83	7.23		19.06	0.01	3	62	16	
20	-11.2	-19.0	-13.8																1.70			1.70	T	13	87	23	
21	-8.5	-19.0	-12.0																					5	109	17	
22	-5.3	-10.7	-7.1																					7	105	12	
23	-3.5	-9.3	-5.4																					8	82	15	
24	-5.6	-10.0	-7.1																9.91			9.91	T	15	124	24	
25	-6.3	-9.4	-7.3						1.00					1.00	2.90			2.90	16.28	1.05		17.33	T	16	144	27	
26	-4.8	-8.4	-6.0			0.43		0.43							3.18	5.45	2.30	10.93	16.30			16.30	0.03	10	108	20	
27	-5.3	-8.9	-6.5																4.66			4.66	T	7	58	17	
28	-4.1	-8.6	-5.6																					6	64	12	
29	-4.2	-10.7	-6.4																					10	97	24	
30	-5.1	-10.1	-6.8																					6	89	18	
31																											

### Monthly Statistics

Temp (C)			Visibility (hrs)												WX and Duration				Pcpn Total	Avg Wind		Max Wind		Max Gust
Max	Min	Avg	< 1600				< 4800				< 9999				sn/sg/ic	fg/br	bs	Total		Dir	Spd	Dir	Spd	
			00-06L	06-12L	12-18L	18-24L	00-06L	06-12L	12-18L	18-24L	00-06L	06-12L	12-18L	18-24L										
-3.5	-19.0	-9.5	0.0	0.0	0.4	0.0	1.0	0.0	3.5	0.5	13.4	5.5	6.4	2.3	154.7	10.3	0.0	165.0	0.04	70	7		27	38

Temp (C)		Total Hrs =or< 1600:	0.4	Total Hrs =or< 4800:	5.0	Total Hrs < 9999:	27.6
Average		Total Days =or< 1600:	1	Total Days =or< 4800:	3	Total Days < 9999:	5
Max	Min	% Hrs =or< 1600:	0.1%	% Hrs =or< 4800:	0.7%	% Hrs < 9999:	3.8%
-7.65	-13.1	% Days =or< 1600:	3.3%	% Days =or< 4800:	10.0%	% Days < 9999:	16.7%

Total Hrs	
sn/sg/ic:	154.7
fg/br:	10.3
bs:	0.0
Total Days	
sn/sg/ic:	18
fg/br:	3
bs:	0



Max Gust
26
22
32
11
11
16
14
18
11
21
14
13
11
21
25
23
17
22
19
29
22
19
21
38
37
28
20
17
30
21

Station:  
NZCM

### Monthly Climatology / Page 2

Month:  
NOV 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	6	23																			8	0.36	5.3	-29.0
2	6	25																			8	0.25	4.1	-29.0
3	2																				8	0.08	7.2	-27.0
4	5	90																			8	0.05	7.1	-22.0
5	6	60																			8	0.03	4.8	-16.0
6	5	140																			8	0.14	7.0	-21.0
7	4	200																			8	0.10	4.8	-20.0
8	1																				8	0.14	4.9	-18.0
9	3	200																			8	0.03	5.3	-16.0
10	2																				8	0.10	4.9	-22.0
11	1																				8	0.04	2.2	-19.0
12	2																				8	0.06	2.2	-17.0
13	6	20																			8	0.08	2.5	-17.0
14	4	21																			8	0.12	8.8	-26.0
15	3	20																			8	0.34	9.2	-22.0
16	4	19																			8	0.41	3.4	-21.0
17	4	29																			8	0.14	6.3	-21.0
18	7	9																			8	0.18	5.7	-27.0
19	4	40																			8	0.10	6.7	-29.0
20	4	100																			8	0.24	7.8	-32.0
21	3	190																			8	0.26	10.5	-28.0
22	3	180																			8	0.08	5.4	-20.0
23	3	200																			8	0.01	5.8	-17.0
24	8	15																			8	0.03	4.4	-21.0
25	8	10																			8	0.06	3.1	-20.0
26	8	20																			8	0.04	3.6	-16.0
27	7	36																			8	0.10	3.6	-17.0
28	7	55																			8	0.10	4.5	-13.0
29	7	40																			8	0.05	6.5	-20.0
30	8	60																			8	0.08	5.0	-18.0
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																											
5	0.0	0.0	0.0	0.0	1.2	0.5	0.0	0.0	29.0	16.1	14.5	18.9	29.47	28.75	29.21	240	-32.0																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Total Hrs =or&lt; 500:</td> <td>0.0</td> <td>Total Hrs =or&lt; 1000:</td> <td>1.7</td> <td>Total Hrs =or&lt; 3000:</td> <td>78.5</td> </tr> <tr> <td>Total Days =or&lt; 500:</td> <td>0</td> <td>Total Days =or&lt; 1000:</td> <td>1</td> <td>Total Days =or&lt; 3000:</td> <td>11</td> </tr> <tr> <td>% Hrs =or&lt; 500:</td> <td>0.0%</td> <td>% Hrs =or&lt; 1000:</td> <td>0.2%</td> <td>% Hrs =or&lt; 3000:</td> <td>10.9%</td> </tr> <tr> <td>% Days =or&lt; 500:</td> <td>0.0%</td> <td>% Days =or&lt; 1000:</td> <td>3.3%</td> <td>% Days =or&lt; 3000:</td> <td>36.7%</td> </tr> </table>																Total Hrs =or< 500:	0.0	Total Hrs =or< 1000:	1.7	Total Hrs =or< 3000:	78.5	Total Days =or< 500:	0	Total Days =or< 1000:	1	Total Days =or< 3000:	11	% Hrs =or< 500:	0.0%	% Hrs =or< 1000:	0.2%	% Hrs =or< 3000:	10.9%	% Days =or< 500:	0.0%	% Days =or< 1000:	3.3%	% Days =or< 3000:	36.7%
Total Hrs =or< 500:	0.0	Total Hrs =or< 1000:	1.7	Total Hrs =or< 3000:	78.5																																		
Total Days =or< 500:	0	Total Days =or< 1000:	1	Total Days =or< 3000:	11																																		
% Hrs =or< 500:	0.0%	% Hrs =or< 1000:	0.2%	% Hrs =or< 3000:	10.9%																																		
% Days =or< 500:	0.0%	% Days =or< 1000:	3.3%	% Days =or< 3000:	36.7%																																		
<table border="1" style="border-collapse: collapse;"> <tr> <td>Total Days</td> <td>30</td> </tr> </table>																Total Days	30																						
Total Days	30																																						

