



## 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	350	6	-5.4	-11.4						SN	0.6																			
15-18Z	0	0	-6.1	-11.2	-5.3	-7.7				SN	3.0								10	50	1229	7	50							
18-21Z	0	0	-5.7	-11.9						SN	0.8											6	50							
21-24Z	100	7	-5.6	-12.9	-3.8	-6.5													11	90	2343	4	95							
12 hr Max/Min					-3.8	-7.7																								
00-03Z	70	7	-7.0	-12.0						IC	0.4											4	70							
03-06Z	70	11	-7.7	-12.2	-5.6	-7.8				IC	0.8								18	80	451	3								
06-09Z	70	12	-9.0	-14.4																		3								
09-12Z	50	8	-6.9	-20.1	-6.9	-9.4													18	70	831	6	70							
12 hr Max/Min					-5.6	-9.4																								
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			
63	6		-3.8	-9.4	-5.7	00-06L	0.0	0.0	0.0	-17.0	1.4	5.5	0.0	0.0	T			14		80	18	451		5	25	00-06L	0.0			
																Altimeter			Total Obs Taken			Daily Pres Diff		Daily Temp Diff						
																Max	Min	Avg												
																29.13	28.97	29.07												
																			8	0.16	5.6									

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.

02

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000					
0.5	29.13	982.7	6004	986.9	
	29.12	982.3	7004	986.5	
	29.11	982.0	7003	986.2	
	29.09	981.4	8006	985.6	4.5
	29.07	980.7	8007	985.0	
	29.05	979.8	7009	984.0	
	29.01	978.7	7011	983.0	
	28.97	977.3	7014	981.5	5.8

j (hrs)	
<1000	<3000
0.0	0.5
0.0	0.0
0.0	0.0
0.0	0.0

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03

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.92	975.6	7017	979.7	
	28.87	974.1	7015	978.2	
	28.85	973.1	7010	977.3	
	28.84	972.8	6003	976.9	8.6
	28.85	973.2	3004	977.4	
	28.90	974.8	3016	978.9	
	28.94	976.2	2014	980.4	
	28.99	977.9	2017	982.1	0.6

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

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## 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	80	11	-12.4	-15.1					0.5	SN/IC	3.0												8	50				
15-18Z	90	12	-12.5	-15.3	-12.2	-12.6			3.0	SN	3.0	BR	0.8					20	80	1613		7	35					
18-21Z	80	9	-12.4	-15.8						SN	0.7	BR	1.3									7	70					
21-24Z	70	9	-11.5	-15.4	-11.0	-12.8				SN	1.8							21	50	2201		6	70					
12 hr Max/Min					-11.0	-12.8																						
00-03Z	40	10	-9.5	-14.5						SN/IC	1.7											6	75					
03-06Z	50	10	-8.8	-14.4	-8.3	-11.2				IC	0.3							14	80	404		6	100					
06-09Z	40	7	-8.4	-15.9																		6	180					
09-12Z	0	0	-8.3	-16.3	-8.9	-8.9												16	30	842		1	180					
12 hr Max/Min					-8.3	-11.2																						
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	<1000
66	9		-8.3	-12.8	-9.8			00-06L	0.0	0.0	3.5	-23.0	-9.4	10.5	2.1	0.0	T	16			50	21	2201		6	35	00-06L	0.0
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff							
																Max	Min	Avg				8	0.07	4.5	12-18L	0.0		
																29.09	29.02	29.07			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.

04

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.02	978.9	2010	983.1	
	29.04	979.6	3007	983.9	
	29.06	980.4	2008	984.7	
	29.07	980.8	1004	985.1	8.0
	29.09	981.2	2004	985.5	
	29.09	981.4	1002	985.8	
	29.08	981.1	8003	985.2	
	29.08	981.2	3001	985.4	3.3

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

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05

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.07	980.6	6006	984.8	
	29.06	980.2	8004	984.4	
	29.04	979.7	8005	983.9	
	29.03	979.2	7005	983.5	1.6
	29.01	978.7	7005	983.0	
	29.00	978.3	6004	982.5	
	28.98	977.7	8006	981.9	
	28.97	977.2	6005	981.4	4.0

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	-7.8	-13.5													6						1							
15-18Z	0	0	-7.5	-11.9	-6.6	-8.2											2						1							
18-21Z	0	0	-7.3	-11.9													5						2							
21-24Z	100	8	-8.2	-15.9	-5.6	-9.7											9						2							
12 hr Max/Min					-5.6	-9.7																								
00-03Z	120	10	-8.3	-16.1													12						2							
03-06Z	100	7	-10.0	-15.9	-7.2	-11.3											14						3							
06-09Z	60	13	-10.7	-17.2													16						6	180						
09-12Z	120	8	-10.2	-18.2	-9.4	-11.8											14						8	80						
12 hr Max/Min					-7.2	-11.8																								
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	hrs	hrs	hrs	Dir	Spd	Time	Dir	Spd	Time	Time	Time	Time	Time			
97	6		-5.6	-11.8	-7.7	00-06L	0.0	0.0	0.0	-22.0	-7.6	0.0	0.0	0.0	0.00			16			40	22	706	3	80	00-06L	0.0			
																Altimeter														
																Max			Total Obs Taken			Daily Pres Diff			Daily Temp Diff					
																28.95 28.90 28.93			8			0.05			6.2					

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.

06

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.95	976.6	8006	980.7	
	28.93	976.0	6006	980.2	
	28.93	975.9	6001	980.1	
	28.93	976.0	1001	980.1	3.2
	28.93	975.9	6001	980.1	
	28.92	975.5	6004	979.7	
	28.91	975.1	6004	979.3	
	28.90	975.0	8001	979.2	2.2

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

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07

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.87	974.0	6010	978.1	
	28.85	973.2	6008	977.3	
	28.86	973.5	3003	977.6	
	28.86	973.5	4000	977.6	2.5
	28.85	973.1	8004	977.3	
	28.84	972.9	8002	977.1	
	28.85	973.2	0003	977.4	
	28.85	973.4	1002	977.5	1.6

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

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08

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.84	973.0	7004	977.2	
	28.85	973.2	0002	977.4	
	28.87	974.0	3008	978.1	
	28.87	974.1	1001	978.1	0.6
	28.87	973.7	8004	977.8	
	28.85	973.2	7005	977.3	
	28.85	973.2	4000	977.2	
	28.83	972.4	8008	976.5	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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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	80	11	-4.8	-13.5											13						7	100			
15-18Z	70	7	-4.0	-14.8	-3.9	-5.5									10			16	60	1220	6	180			
18-21Z	60	8	-3.0	-14.8											8						3	180			
21-24Z	60	10	-4.0	-14.5	-2.3	-4.0									10			14	60	2346	2				
12 hr Max/Min					-2.3	-5.5																			
00-03Z	60	10	-3.7	-16.2											13						1				
03-06Z	30	9	-3.1	-15.2	-1.8	-4.0									14			19	60	308	1				
06-09Z		3	-2.9	-6.4											10						4				
09-12Z		4	-3.6	-12.4	-1.5	-4.8									9			12	90	1034	3				
12 hr Max/Min					-1.5	-4.8																			
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				Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br		bs	Dir	Spd	Time	Dir	Spd			Time	Time	<500	<1000
61	8	-1.5	-5.5	-2.8	00-06L	0.0	0.0	0.0	-12.0	10.4	0.0	0.0	0.0	0.00	14		60	19	308	3	100	00-06L	0.0		
															Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
															Max	Min	Avg				8	0.11	4.0	12-18L	0.0
															28.87	28.76	28.80			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.

: 09

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	28.81	971.7	7007	975.8	
	28.79	971.3	6004	975.4	
	28.78	970.8	7005	974.8	
	28.77	970.6	6002	974.6	3.5
	28.76	970.1	6005	974.2	
	28.77	970.4	3003	974.5	
	28.81	971.8	3014	975.9	
	28.87	974.0	3022	978.1	1.6

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	80	11	-5.0	-14.4											12							6	95							
15-18Z	100	9	-5.8	-12.6	-3.9	-6.8									13			18	100	1623	7	85								
18-21Z	130	6	-2.2	-14.3											12						7	80								
21-24Z	20	7	-1.7	-14.6	-1.5	-6.0									11			17	140	1900	6	80								
12 hr Max/Min					-1.5	-6.8																								
00-03Z	340	14	-2.6	-5.9											16						7	80								
03-06Z	340	14	-2.5	-6.4	-1.6	-3.0									16			23	340	514	4									
06-09Z	350	14	-3.0	-6.2											16						5	140								
09-12Z	340	10	-2.8	-7.7	-2.2	-3.0									16			24	340	700	2									
12 hr Max/Min					-1.6	-3.0																								
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	Pcpn Total	Dir	Spd	Time	Dir	Spd	Time	Avg Sky Cover	Low-est CIG	Time	<500				
12	11			-1.5	-6.8	-3.3	00-06L	0.0	0.0	0.0	-12.0	10.4	0.0	0.0	0.0	0.00		16		340	24	700	6	80	00-06L	0.0				
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																28.97	28.91	28.95	8	0.06	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.

>: 10

s)	Station				24-Hour Pressure
	Alt (in)	Press (mb)	Press Tend	SLP (mb)	
<3000	28.91	975.3	1013	979.4	
	28.95	976.7	2014	980.8	
	28.97	977.3	1006	981.5	
	28.97	977.4	3001	981.5	6.8
	28.96	976.9	7005	981.0	
	28.95	976.6	7003	980.7	
	28.95	976.7	1001	980.8	
	28.95	976.6	6001	980.8	2.6

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	260	3	-3.9	-7.4												16							1			
15-18Z	0	0	-2.8	-7.3	-2.8	-4.9										7			7	100	1722	1				
18-21Z	230	3	-2.3	-12.4												10						2				
21-24Z	90	9	-2.6	-12.2	-0.2	-3.3										11			14	70	2344	1				
12 hr Max/Min					-0.2	-4.9																				
00-03Z	100	7	-3.6	-10.8												11						1				
03-06Z	60	16	-6.8	-10.6	-2.4	-7.0										17			22	60	544	2				
06-09Z	40	6	-4.1	-8.7												16						7	100			
09-12Z	90	6	-6.0	-10.3	-2.9	-6.8										7			19	40	716	7	25			
12 hr Max/Min					-2.4	-7.0																				
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		
75	6		-0.2	-7.0	-2.5	00-06L	0.0	0.0	0.0	-16.0	3.2	0.0	0.0	0.0		17		60	22	544	3	25	00-06L	0.0		
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																Max	Min	Avg	8	0.10	6.8					
																29.06	28.96	29.01								

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	28.96	977.1	1005	981.2	
	28.98	977.8	2007	981.9	
	28.99	978.0	2002	982.1	
	29.00	978.4	2004	982.6	1.0
	29.01	978.8	2004	982.9	
	29.03	979.2	2004	983.3	
	29.04	979.6	2004	983.7	
1.5	29.06	980.2	2006	984.3	3.6

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	0.0
0.0	1.5

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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	100	8	-4.9	-11.7																							
15-18Z	70	11	-6.2	-13.0	-4.6	-6.9									T	14			19	60	1743	7	35				
18-21Z	40	10	-5.8	-12.4																		7	33				
21-24Z	30	5	-4.0	-10.3	-4.0	-6.2									T	11			19	30	1847	7	35				
12 hr Max/Min					-4.0	-6.9																					
00-03Z	320	4	-2.1	-7.9																		4	35				
03-06Z	310	7	-3.1	-6.3	-1.2	-4.3													11	310	544	5	30				
06-09Z	330	10	-3.8	-6.4																		4					
09-12Z	340	10	-4.2	-6.2	-2.8	-4.2													19	320	943	5	180				
12 hr Max/Min					-1.2	-4.3																					
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
15	8			-1.2	-6.9	-3.1	00-06L	0.0	0.0	0.0	-15.0	5.0	5.1	0.0	0.0	T	14		60	19	1743	6	30	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		
																29.25	29.07	29.16	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.

12

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.07	980.8	2006	984.9	
	29.10	981.7	2009	986.0	
	29.14	982.9	2012	987.0	
	29.16	983.6	2007	987.7	5.2
	29.17	984.1	2005	988.2	
	29.20	984.9	2008	989.1	
	29.22	985.6	2007	989.8	
	29.25	986.7	2011	990.9	6.5

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

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## 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	10		-6.4	-7.6				0.7	SN	0.7	BR	0.7											7	5		1.6			
15-18Z	340	12		-5.2	-8.7	-4.5	-6.7			0.8	SN	0.8	BR	0.8									1	5		0.8				
18-21Z	340	11		-4.0	-8.7																		2							
21-24Z	340	6		-2.9	-7.4	-2.9	-5.4																2							
12 hr Max/Min						-2.9	-6.7																							
00-03Z	330	11		-3.5	-8.0																		6	30						
03-06Z	340	4		-2.9	-8.2	-2.5	-3.2																6	30						
06-09Z	340	4		-3.0	-8.5					SN	1.9												7	30						
09-12Z	10	5		-3.5	-8.1	-2.7	-3.8			SN	3.0												7	30						
12 hr Max/Min						-2.5	-3.8																							
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	hrs	Dir	Spd	Time	Dir	Spd	Time	Total Obs Taken	Daily Pres Diff	Daily Temp Diff	Time	<500	<1000				
341	8		-2.5	-6.7	-3.9	00-06L	0.0	0.0	1.5	-15.0	5.0	6.4	1.5	0.0	T		17		350	22	1416	8	0.14	4.2	5	5	00-06L	0.0		
																Altimeter														
																Max	Min	Avg												
																29.41	29.27	29.35												

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)			
1.6	29.27	987.2	3005	991.4	
0.8	29.30	988.5	2013	992.6	
	29.33	989.3	2008	993.4	
	29.34	989.9	2006	994.1	6.3
	29.36	990.3	2004	994.5	
	29.38	991.2	2009	995.3	
	29.40	991.8	2006	996.0	
	29.41	992.2	2004	996.3	5.5

j (hrs)	
<1000	<3000
2.4	2.4
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	0	0	-3.3	-9.0																							
15-18Z		3	-3.2	-9.6	-3.1	-3.8									T			9	40	1606	7	40					
18-21Z		4	-3.1	-10.2																	7	45					
21-24Z	0	0	-1.6	-9.9	-1.0	-3.3									T			6	280	2029	8	50					
12 hr Max/Min					-1.0	-3.8																					
00-03Z	60	8	-3.1	-9.1																	8	50					
03-06Z	120	8	-3.6	-6.0	-1.0	-3.8												12	100	510	8	60					
06-09Z		4	-3.5	-7.7																	7	55					
09-12Z	0	0	-4.0	-7.5	-3.0	-4.3												11	110	648	7	55					
12 hr Max/Min					-1.0	-4.3																					
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			Max Wind			Max Gust								
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	Ceiling <500	
90	3			-1.0	-4.3	-2.1	00-06L	0.0	0.0	0.0	-10.0	14.0	10.0	0.0	0.0	T			9		100	12	510	7	40	00-06L	0.0
																Altimeter											
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff						
																29.46	29.42	29.45	8	0.04	3.3						

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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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.42	992.3	3001	996.5	
	29.44	993.2	2009	997.3	
	29.45	993.5	1003	997.7	
	29.46	994.0	1005	998.1	4.1
	29.46	993.9	6001	998.0	
	29.46	994.0	1001	998.2	
	29.46	994.0	4000	998.1	
	29.46	994.0	4000	998.1	1.8

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		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	320	3	-3.5	-9.3												4						7	60							
15-18Z	0	0	-3.6	-7.8	-3.4	-4.0										7						4								
18-21Z	0	0	-1.6	-7.8												3						5	100							
21-24Z		3	-2.9	-9.2	-0.9	-4.1										5						5	70							
12 hr Max/Min																														
00-03Z	80	8	-3.8	-6.4												10						3								
03-06Z		6	-2.7	-7.9	-1.5	-4.2										9						4								
06-09Z	0	0	-3.6	-10.2												5						6	70							
09-12Z	0	0	-3.3	-8.3	-1.3	-3.9										4						7	60							
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	Avg	Low-est	Time	<500	<1000					
58	3				00-06L	0.0	0.0	0.0	-10.0	14.0	0.0	0.0	0.0	0.00		10		30	13	452	5	60	00-06L	0.0	0.0					
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.45	29.25	29.37	8	0.20	3.3									

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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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.45	993.4	8006	997.5	
	29.44	993.0	6004	997.2	
	29.42	992.4	6006	996.6	
	29.39	991.6	6008	995.7	2.4
	29.36	990.4	6012	994.5	
	29.36	989.1	6013	993.3	
	29.28	987.7	7014	991.8	
	29.25	986.6	7011	990.8	7.4

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	0	0	-4.5	-9.3													4					7	60							
15-18Z	0	0	-3.6	-8.3	-3.3	-5.1											3				5	80	1227	7	65					
18-21Z	100	9	-5.8	-8.5													9					8	60							
21-24Z	70	11	-6.6	-8.9	-3.4	-6.9				SN	0.9					T	13				17	60	2335	8	35					
12 hr Max/Min																														
00-03Z	110	11	-6.3	-9.1						SN	3.0						15					8	20							
03-06Z	90	12	-7.1	-10.1	-6.0	-7.2				SN	3.0				T	11				19	50	147	8	20						
06-09Z	140	17	-8.3	-11.6						SN	2.4						20					8	35							
09-12Z	140	11	-8.0	-11.0	-6.7	-8.4									T	20				26	150	924	5	40						
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	Pcprn Total	Dir	Spd	Time	Dir	Spd	Time	Avg Sky Cover	Low-est CIG	Time	<500	<1000					
111	9		-3.3	-8.4	-5.0	00-06L	0.0	0.0	0.0	-18.0	-0.4	9.3	0.0	0.0	T		20		150	26	924	7	20	00-06L	0.0					
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.20	29.11	29.14	8	0.09	5.1									

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)			
<3000	29.20	984.9	7017	989.1	
	29.17	984.0	6009	988.1	
	29.14	983.2	6008	987.3	
	29.13	982.7	6005	986.9	8.9
1.5	29.12	982.4	6003	986.6	
3.0	29.12	982.3	6001	986.4	
2.5	29.11	982.1	7002	986.3	
	29.14	982.9	1008	987.1	3.7

j (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	4.5
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)					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	160	11	-6.3	-10.8					SN	0.9					T	13						7	55							
15-18Z	30	8	-6.2	-11.1	-5.7	-7.7			SN	0.3								18	140	1206	7	60								
18-21Z		6	-4.4	-10.7																	7	80								
21-24Z	310	8	-4.0	-8.3	-3.0	-6.5			SN	0.5					T	9					8	20								
12 hr Max/Min																														
00-03Z	310	7	-3.9	-8.9					SN	1.0											8	40								
03-06Z		5	-5.9	-8.2	-3.3	-6.2								T	10			13	110	556	8	50								
06-09Z	100	8	-6.2	-7.9				1.5	SN	2.3	BR	1.5									8	15								
09-12Z	0	0	-4.6	-8.0	-4.3	-6.3		2.0	SN	2.5	BR	2.0		0.01	6			14	110	826	6	180								
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					
41	7			-4.6	00-06L	0.0	0.0	0.0	-13.0	8.6	7.5	3.5	0.0	0.01		13		140	18	1206	7	15	00-06L	0.0	0.0					
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.34	29.14	29.23	8	0.20	4.7									

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)			
<3000	29.14	983.2	2003	987.4	
	29.17	983.9	3007	988.2	
	29.19	984.6	2007	988.8	
1.0	29.19	985.7	2011	990.0	3.0
1.0	29.24	986.3	2006	990.5	
	29.26	987.1	2008	991.3	
2.3	29.30	988.4	2013	992.5	
2.0	29.34	989.7	2013	993.9	6.8

j (hrs)	
<1000	<3000
0.0	0.0
0.0	1.0
0.0	1.0
0.0	4.3

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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		4	-4.3	-8.5											5								4						
15-18Z	0	0	-4.1	-8.9	-3.3	-6.1									6			8	120	1721		3							
18-21Z		5	-4.2	-10.9											7							1							
21-24Z		3	-3.0	-8.2	-2.1	-5.2									7			10	30	2241		1							
12 hr Max/Min					-2.1	-6.1																							
00-03Z	310	4	-2.0	-6.8											6							3							
03-06Z	320	8	-2.7	-7.8	-1.7	-3.9									8			12	320	544		1							
06-09Z	340	13	-3.1	-6.6											11							2							
09-12Z	320	6	-3.9	-7.4	-2.4	-3.8									10			15	320	1115		1							
12 hr Max/Min					-1.7	-3.9																							
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				
327	5		-1.7	-6.1	00-06L	0.0	0.0	0.0	-10.0	14.0	0.0	0.0	0.0	0.00		11		320	15	1115	2		00-06L	0.0	0.0				
															Altimeter														
															Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
															29.45	29.36	29.41	8	0.09	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.

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Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.36	990.4	2007	994.6	
	29.38	991.3	2009	995.4	
	29.42	992.5	2012	996.6	
	29.45	993.4	2009	997.5	7.7
	29.44	993.3	8001	997.4	
	29.43	992.9	8004	997.1	
	29.42	992.4	7005	996.6	
	29.41	992.2	6002	996.4	2.5

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

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## 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	320	3	-4.0	-8.2											8								4			
15-18Z		3	-2.9	-8.3	-2.9	-4.2									7			12	320	1209		1	22			
18-21Z	320	6	-3.2	-8.3											8							1				
21-24Z		4	-2.5	-7.4	-2.4	-3.7									8			13	320	2132		1				
12 hr Max/Min					-2.4	-4.2																				
00-03Z		6	-2.1	-6.9											7							1				
03-06Z		3	-1.3	-6.8	-0.8	-2.5									6			10	330	243		3				
06-09Z	100	11	-4.7	-10.5											11							1				
09-12Z	60	14	-6.8	-12.1	-0.1	-7.1									19			19	50	1141		2				
12 hr Max/Min					-0.1	-7.1																				
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	hrs	Dir	Spd	Time	Dir	Spd	Time	Time	<500			<1000	
55	6		-0.1	-7.1	-2.4	00-06L	0.0	0.0	0.0	-16.0	3.2	0.0	0.0	0.0	19			50	19	1141	2	22	00-06L	0.0		
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																Max	Min	Avg				8	0.07	7.0	06-12L	0.0
																29.40	29.33	29.36			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 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	29.40	991.6	7006	995.8	
0.5	29.38	991.2	7004	995.3	
	29.37	990.9	8003	995.0	
	29.36	990.4	6005	994.6	3.0
	29.34	989.9	6005	994.1	
	29.33	989.6	6003	993.7	
	29.34	989.7	2001	993.8	
	29.33	989.3	7004	993.4	2.9

j (hrs)	
<1000	<3000
0.0	0.5
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	7	-5.7	-11.1													16						3						
15-18Z	0	0	-3.7	-9.2	-3.4	-7.6											8			20	60	1313	3						
18-21Z	90	9	-7.9	-11.6													9						1						
21-24Z	100	10	-5.0	-11.0	-2.3	-10.0					IC	0.5					T	14			18	110	2124	1					
12 hr Max/Min					-2.3	-10.0																							
00-03Z	100	19	-9.0	-11.1							IC	0.4	BR	0.5									4						
03-06Z	90	19	-7.9	-10.8	-5.3	-9.2					IC	1.1	BR	0.4							26	90	436	1					
06-09Z	80	10	-7.9	-10.9																			1						
09-12Z	80	13	-8.7	-12.0	-7.5	-8.9															24	100	607	1					
12 hr Max/Min					-5.3	-9.2																							
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	Avg	Low-est	Time	<500	<1000				
88	11			-4.9	00-06L	0.0	0.0	0.0	-19.0	-2.2	2.0	0.9	0.0	T		20		90	26	436	2		00-06L	0.0					
															Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff							
															Max	Min	Avg	8	0.07	7.7									
															29.29	29.22	29.24												

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.

20

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.29	988.2	7011	992.3	
	29.26	987.2	7010	991.3	
	29.24	986.5	7007	990.7	
	29.24	986.2	6003	990.5	4.2
	29.23	985.9	6003	990.1	
	29.23	986.0	3001	990.2	
	29.22	985.8	6002	990.1	
	29.23	986.0	1002	990.2	3.3

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)					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	70	11	-9.6	-12.9																																
15-18Z	90	10	-9.2	-13.1	-8.3	-9.7																														
18-21Z	80	11	-9.0	-12.7																																
21-24Z	90	11	-7.9	-11.7	-7.5	-9.7																														
12 hr Max/Min					-7.5	-9.7																														
00-03Z	80	8	-7.0	-11.2																																
03-06Z	100	13	-7.3	-12.7	-6.7	-7.6																														
06-09Z	90	9	-7.8	-11.8																																
09-12Z	100	10	-8.7	-12.2	-7.2	-8.7																														
12 hr Max/Min					-6.7	-8.7																														
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	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time			Time	<500											
88	10		-6.7	-9.7	-7.7	00-06L	0.0	0.0	0.0	-19.0	-2.2	17.1	0.0	0.0	T			15		70	19	1226	8	18	00-06L	0.0										
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff															
																Max	Min	Avg	8	0.01	3.0															
																29.23	29.22	29.22																		

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
1.5	29.22	985.8	6002	990.0	
3.0	29.23	985.9	1001	990.2	
1.2	29.23	986.1	3002	990.4	
	29.23	986.2	1001	990.4	0.0
	29.22	985.8	6004	990.1	
	29.22	985.6	6002	989.9	
	29.22	985.8	1002	990.0	
	29.22	985.9	1001	990.1	0.1

y (hrs)	
<1000	<3000
0.0	4.5
0.0	1.2
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	9	-8.9	-13.2						SN	3.0					T	11						8	45			
15-18Z	60	9	-8.7	-13.6	-8.4	-9.0				SN	3.0							16	60	1655			7	50			
18-21Z	60	11	-8.0	-13.5						SN	3.0												8	50			
21-24Z	60	11	-7.8	-12.5						SN	2.5					T	11						5	50			
12 hr Max/Min																											
00-03Z	100	5	-5.8	-11.9																			6	90			
03-06Z		2	-4.8	-11.2	-4.0	-7.5													16	80	8		6	100			
06-09Z		3	-4.9	-12.5																			6	110			
09-12Z	100	14	-8.1	-11.9	-4.1	-8.1													17	100	1149		1	110			
12 hr Max/Min																											
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			Max Wind			Max Gust								
Dir	Spd	Dir	Spd	Max Temp	Min Temp	Avg 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	Ceiling <500	
73	8			-4.0	-9.0	-5.7	00-06L	0.0	0.0	0.0	-16.0	3.2	11.5	0.0	0.0	T		14		100	17	1149	6	45	00-06L	0.0	
																	Altimeter										
																	Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																	29.20	29.08	29.13	8	0.12	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.

: 22

s)	Station				24-Hour Pressure
	Alt (in)	Press (mb)	Press Tend	SLP (mb)	
<3000	29.20	985.0	8009	989.2	
	29.18	984.3	7007	988.5	
	29.16	983.6	7007	987.9	
	29.14	983.0	7006	987.2	3.2
	29.11	982.0	7010	986.2	
	29.09	981.4	7006	985.6	
	29.08	980.9	6005	985.1	
	29.09	981.3	3004	985.6	4.6

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	90	8	-8.5	-11.6											13											
15-18Z	100	10	-8.6	-12.0	-7.9	-9.4									12			17	100	1222						
18-21Z	100	9	-7.9	-11.9											11											
21-24Z	50	11	-7.6	-10.8	-7.1	-8.9									12			16	90	1859		65				
12 hr Max/Min																										
00-03Z	60	9	-7.5	-10.6											13								7	60		
03-06Z	100	8	-7.0	-10.0	-6.4	-7.9									11			15	100	118			7	60		
06-09Z	0	0	-6.4	-12.5											11								7	90		
09-12Z	30	7	-5.2	-16.4	-4.3	-7.4									8			13	70	634			5	100		
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	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500		
77	8		-4.3	-9.4	-6.0	00-06L	0.0	0.0	0.0	-17.0	1.4	0.0	0.0	0.00		13		100	17	1222	5	60	00-06L	0.0		
															Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff						
															Max	Min	Avg	8	0.13	5.1						
															29.23	29.10	29.19									

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	29.10	981.7	3004	986.0	
	29.13	982.7	2010	986.9	
	29.17	984.1	3014	988.3	
	29.19	984.8	1007	989.0	1.8
	29.21	985.3	1005	989.5	
	29.22	985.5	3002	989.8	
	29.23	986.0	1005	990.2	
	29.23	986.0	4000	990.3	4.7

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)					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	0	0	-5.2	-13.7						SN	1.5																								
15-18Z	330	4	-6.3	-13.1	-3.9	-7.0				SN	0.8																								
18-21Z	340	7	-3.4	-10.7						SN	1.5																								
21-24Z	100	6	-4.0	-6.6	-2.3	-5.9			1.2	1.5	SN	3.0																							
12 hr Max/Min																																			
00-03Z	110	7	-3.9	-6.0				0.5	1.2	SN	3.0																								
03-06Z	150	6	-4.2	-6.4	-3.0	-4.7				3.0	SN	3.0	BR	2.8																					
06-09Z	5	5	-4.3	-6.6						3.0	SN	3.0	BR	3.0																					
09-12Z	0	0	-4.0	-7.8	-3.9	-5.0			0.6	0.6	SN	1.3	BR	0.6			0.03																		
12 hr Max/Min																																			
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			Pcprn 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								
83	4			-2.3	-7.0	-3.9	00-06L	0.0	0.0	0.0	-11.0	12.2	17.0	6.4	0.0	0.03	10				350	12	2059	7	25	00-06L	0.0								
																	Altimeter																		
																	Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff													
																	29.25	29.21	29.23	8	0.04	4.7													

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.

: 24

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.23	986.0	4000	990.2	
	29.23	986.0	5000	990.2	
	29.22	985.9	6001	990.0	
	29.25	986.6	1007	990.7	1.8
	29.24	986.5	6001	990.6	
3.0	29.24	986.3	6002	990.4	
3.0	29.22	985.8	8005	989.9	
0.5	29.21	985.3	7005	989.4	0.7

y (hrs)	
<1000	<3000
0.0	0.0
0.0	0.0
0.0	3.0
0.0	3.5

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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	100	6	-4.6	-7.5			0.8	1.3	SN	2.3	BR	1.3				7						8	40			
15-18Z	40	5	-5.6	-8.4	-3.8	-5.4		1.0	1.5	SN	1.8	BR	1.5			0.01	6			12	140	1434	8	40		
18-21Z	90	12	-8.7	-10.9				2.6	2.8	SN	3.0	BR	0.6				15					8	23			
21-24Z	70	13	-7.7	-11.1	-3.9	-9.2	2.6	3.0	SN	3.0	BR	1.8				T	17			22	70	2158	8	25		
12 hr Max/Min					-3.8	-9.2																				
00-03Z	70	8	-5.8	-10.6					0.5	SN	2.8						14					8	19			
03-06Z	90	9	-5.9	-11.0	-5.4	-7.5										T	10			17	70	56	8	20		
06-09Z	30	7	-5.8	-10.6													10					8	20			
09-12Z	0	0	-5.1	-9.6	-4.7	-6.7											8			13	40	850	7	20		
12 hr Max/Min					-4.7	-7.5																				
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		Dir	Spd	Time	Dir	Spd	Time			Time	<500		
73	8		-3.8	-9.2	00-06L	0.0	1.8	2.8	-18.0	-0.4	12.8	5.2	0.0	0.01		17		70	22	2158	8	19	00-06L	0.0		
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																Max	Min	Avg	8	0.12	5.4					
																29.18	29.06	29.12								

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		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.18	984.4	7009	988.6	
	29.16	983.5	6009	987.7	
1.7	29.16	983.8	3003	988.0	
3.0	29.14	983.0	6008	987.2	3.6
3.0	29.11	982.1	6009	986.2	
3.0	29.10	981.6	7005	985.9	
3.0	29.08	981.0	7006	985.2	
3.0	29.06	980.3	7007	984.5	5.0

y (hrs)	
<1000	<3000
0.0	0.0
0.0	4.7
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)					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	100	9	-7.8	-10.6																										
15-18Z	0	0	-4.4	-8.4	-4.4	-7.8																								
18-21Z	90	13	-8.0	-11.0																										
21-24Z	110	15	-7.8	-10.0	-6.9	-8.5																								
12 hr Max/Min																														
00-03Z	60	10	-6.0	-11.4																										
03-06Z	90	15	-5.8	-11.9	-5.4	-7.5																								
06-09Z	50	5	-4.4	-13.1																										
09-12Z	0	0	-4.9	-12.3	-3.6	-6.2																								
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	Pcpn Total	Dir	Spd	Time	Dir	Spd	Time	Avg Sky Cover	Low-est CIG	Time	<500				
89	8			-3.6	-8.5	-5.2	00-06L	0.0	0.0	0.0	-17.0	1.4	3.5	0.0	0.0	T			18			100	22	2348	7	13	00-06L	0.0		
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.03	29.00	29.01	8	0.03	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.

: 26

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
3.0	29.03	979.2	7011	983.5	
1.8	29.01	978.7	7005	982.9	
	29.00	978.4	6003	982.6	
2.0	29.01	978.6	1002	982.7	4.4
	29.01	978.5	6001	982.8	
	29.01	978.3	6002	982.4	
	29.00	978.2	6001	982.3	
	29.01	978.6	3004	982.9	1.7

y (hrs)	
<1000	<3000
0.0	4.8
0.0	2.0
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	-5.2	-10.6											8						6	90									
15-18Z	80	9	-6.8	-11.4	-3.9	-7.6									15			20	110	1702	7	160									
18-21Z	60	15	-8.8	-12.2											21						5	170									
21-24Z	90	15	-7.8	-10.9	-6.4	-9.3									22			28	110	2136	6	110									
12 hr Max/Min					-3.9	-9.3																									
00-03Z	70	5	-2.9	-11.4											19						6	170									
03-06Z	30	5	-1.6	-10.7	-1.5	-7.8									9			24	90	13	2										
06-09Z	190	3	-2.5	-10.7											5						1										
09-12Z	340	12	-3.8	-6.1	-1.0	-3.8									12			16	340	1039	2										
12 hr Max/Min					-1.0	-7.8																									
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	Avg	Low-est	Time	<500	<1000						
59	8	-1.0	-9.3	-3.8	00-06L	0.0	0.0	0.0	-19.0	-2.2	0.0	0.0	0.0	0.00	22			110	28	2136	4	90	00-06L	0.0	0.0						
																	Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff							
																	29.20	29.04	29.12	8	0.16	8.3									

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.

: 27

s)	Station				
	Alt	Press	Press	SLP	24-Hour
<3000	(in)	(mb)	Tend	(mb)	Pressure
	29.04	979.6	2010	983.8	
	29.06	980.2	2006	984.4	
	29.08	981.0	2008	985.2	
	29.11	981.9	2009	986.1	3.3
	29.13	982.8	2009	986.9	
	29.17	984.1	2013	988.2	
	29.18	984.2	1001	988.4	
	29.20	985.0	2008	989.2	6.4

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			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	350	9	-4.4	-6.7												14														
15-18Z	350	6	-4.0	-7.2	-3.6	-4.5										10			21	340	1207									
18-21Z	320	6	-3.6	-7.0												9														
21-24Z		4	-2.0	-6.9	-2.0	-4.6										6			11	320	1912									
12 hr Max/Min					-2.0	-4.6																								
00-03Z	70	10	-0.8	-10.6												12														
03-06Z	60	8	-1.1	-11.8	-0.5	-1.3										11			9	60	607									
06-09Z	70	9	-1.7	-13.4												10														
09-12Z	350	9	-2.7	-5.7	-0.4	-2.8										11			13	340	1129									
12 hr Max/Min					-0.4	-2.8																								
Avg Wind								Visibility (hrs)			Min Wind Chill		WX and Duration			Max Wind			Max Gust					Ceiling						
Dir	Spd			Max Temp	Min Temp	Avg 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				
23	8			-0.4	-4.6	-1.8	00-06L	0.0	0.0	0.0	-13.0	8.6	0.0	0.0	0.0	0.00		14		340	21	1207	1		00-06L	0.0				
																Altimeter														
																Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff									
																29.20	29.16	29.18	8	0.04	4.2									

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 changed from conventional. The order is: Spd, Dir, Time.

: 28

s)	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.20	984.9	8001	989.0	
	29.20	985.2	3003	989.3	
	29.20	984.9	6003	989.1	
	29.19	984.8	6001	988.9	2.9
	29.18	984.2	7006	988.3	
	29.17	984.0	6002	988.1	
	29.16	983.9	7001	988.0	
	29.17	984.1	2002	988.3	0.9

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

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## 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
12-15Z	350	4	-2.6	-6.8											9							2				
15-18Z	330	6	-3.6	-5.6	-2.2	-3.7									7				12	360	1217	3				
18-21Z	300	6	-4.8	-6.1			1.0	1.0	1.0		FG/BR	1.0			8							6	5	1.0		
21-24Z		4	-3.6	-5.8											7				12	310	1907	7	5	0.5		
12 hr Max/Min					-2.2	-5.6																				
00-03Z	0	0	-1.9	-6.0											5							3				
03-06Z	150	7	-1.6	-7.8	-0.6	-3.7									8				11	100	540	1				
06-09Z	70	13	-2.9	-6.9											12							2				
09-12Z	60	10	-2.0	-12.7	-1.2	-3.0									14				17	60	1000	3				
12 hr Max/Min					-0.6	-3.7																				
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	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs		Dir	Spd	Time	Dir	Spd	Time			Time	<500	
45	6		-0.6	-5.6	-2.3	00-06L	0.0	0.0	0.0	-11.0	12.2	0.0	1.0	0.0	0.00		14		60	17	1000	3	5	00-06L	0.0	
																Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff					
																Max	Min	Avg	8	0.03	5.0					
																29.19	29.16	29.18								

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
	29.16	983.8	7003	987.9	
	29.17	983.9	2001	988.0	
1.0	29.17	984.1	1002	988.2	
1.5	29.18	984.4	1003	988.6	0.4
	29.18	984.2	6002	988.4	
	29.18	984.2	4000	988.4	
	29.18	984.5	2003	988.6	
	29.19	984.7	2002	988.8	0.6

y (hrs)	
<1000	<3000
0.0	0.0
1.5	2.5
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)					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	40	11	-4.2	-10.9											15						6	120									
15-18Z	340	9	-2.2	-6.9	-2.1	-4.5									14			20	20	1457	6	120									
18-21Z		4	-1.1	-7.1											4						4										
21-24Z		3	-2.1	-6.8	-0.3	-3.5									6			9	300	2223	7	130									
12 hr Max/Min					-0.3	-4.5																									
00-03Z	80	10	-2.8	-9.0											12						6	200									
03-06Z	100	7	-3.0	-8.2	-0.6	-3.9									12			16	70	158	6	180									
06-09Z	90	13	-4.7	-7.7											15						6	130									
09-12Z	0	0	-4.6	-8.0	-3.1	-5.2									11			19	90	827	6	130									
12 hr Max/Min					-0.6	-5.2																									
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	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				
63	7		-0.3	-5.2	-1.9	00-06L	0.0	0.0	0.0	-12.0	10.4	0.0	0.0	0.0	0.00	15		20	20	1457			6	120	00-06L	0.0					
																	Altimeter			Total Obs Taken		Daily Pres Diff		Daily Temp Diff							
																	Max	Min	Avg	8	0.11	4.9									
																	29.31	29.20	29.26												

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	29.20	985.0	2003	989.1	
	29.22	985.7	2007	989.8	
	29.25	986.6	2009	990.8	
	29.27	987.4	3008	991.6	3.0
	29.27	987.5	0001	991.7	
	29.29	987.9	1004	992.1	
	29.29	988.2	2003	992.3	
	29.31	988.7	2005	992.9	4.0

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	170	3	-4.8	-8.7											9								3			
15-18Z	0	0	-5.8	-8.6	-4.7	-8.7									5			10	90	1344		3				
18-21Z	0	0	-5.1	-8.5											3							1				
21-24Z	0	0	-3.9	-7.3	-1.9	-7.2									4			5	220	1819		1				
12 hr Max/Min					-1.9	-8.7																				
00-03Z		3	-2.3	-5.7											4							1				
03-06Z	0	0	-1.4	-8.0	-0.7	-3.8									4			6	210	527		1				
06-09Z	310	5	-1.5	-5.9											6							1				
09-12Z	330	8	-2.9	-5.8	-0.8	-3.0									9			12	340	1140		1				
12 hr Max/Min					-0.7	-3.8																				
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				Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br		bs	Dir	Spd	Time	Dir	Spd			Time	Time	<500	<1000	
315	2	-0.7	-8.7	-3.4	00-06L	0.0	0.0	0.0	-16.0	3.2	0.0	0.0	0.0	0.00	9		340	12	1140	2		00-06L	0.0			
													Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff								
													Max	Min	Avg				8	0.04	8.0	06-12L	0.0			
													29.33	29.29	29.31					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 ch from conventional. The order is: Spd, I and Time.

31

Station	Station		Press Tend	SLP (mb)	24-Hour Pressure
	Alt (in)	Press (mb)			
<3000	29.31	988.7	4000	992.9	
	29.32	989.1	2004	993.3	
	29.33	989.5	1004	993.6	
	29.32	989.2	7003	993.4	1.8
	29.32	989.0	7002	993.1	
	29.31	988.7	7003	992.8	
	29.30	988.5	7002	992.6	
	29.29	988.0	7005	992.2	0.7

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

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Station:  
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Monthly Climatology / Page 1

Month:  
DEC 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	-4.7	-8.7	-6.0															2.08			2.08	T	8	50	13		
2	-3.8	-9.4	-5.7															5.50			5.50	T	6	63	14		
3	-4.0	-12.6	-6.9															6.27	1.08		7.35	T	9	80	16		
4	-8.3	-12.8	-9.8												3.50			10.45	2.08		12.53	T	9	66	16		
5	-4.8	-10.8	-6.8																				3	58	9		
6	-5.6	-11.8	-7.7																				6	97	16		
7	-6.1	-11.1	-7.8						0.50	0.50					2.58	5.67	4.40	12.65	14.88	5.97		20.85	0.05	6	80	17	
8	-0.4	-7.2	-2.7															2.75			2.75	T	8	55	17		
9	-1.5	-5.5	-2.8																				8	61	14		
10	-1.5	-6.8	-3.3																				11	12	16		
11	-0.2	-7.0	-2.5																				6	75	17		
12	-1.2	-6.9	-3.1															5.13	0.00		5.13	T	8	15	14		
13	-2.5	-6.7	-3.9												1.48			6.35	1.48		7.83	T	8	341	17		
14	-1.0	-4.3	-2.1															10.00			10.00	T	3	90	9		
15	-0.9	-4.2	-2.0																				3	58	10		
16	-3.3	-8.4	-5.0															9.34			9.34	T	9	111	20		
17	-3.0	-7.7	-4.6																			0.01	7	41	13		
18	-1.7	-6.1	-3.2																				5	327	11		
19	-0.1	-7.1	-2.4																				6	55	19		
20	-2.3	-10.0	-4.9															2.02	0.90		2.92	T	11	88	20		
21	-6.7	-9.7	-7.7															17.14			17.14	T	10	88	15		
22	-4.0	-9.0	-5.7															11.50			11.50	T	8	73	14		
23	-4.3	-9.4	-6.0																				8	77	13		
24	-2.3	-7.0	-3.9								1.20	0.50	0.57	2.27			1.50	4.20	3.57	9.27	17.00	6.40	23.40	0.03	4	83	10
25	-3.8	-9.2	-5.6							1.75	5.20			6.95	2.75	5.80	0.50		9.05	12.75	5.16	17.91	0.01	8	73	17	
26	-3.6	-8.5	-5.2															3.50			3.50	T	8	89	18		
27	-1.0	-9.3	-3.8																				8	59	22		
28	-0.4	-4.6	-1.8																				8	23	14		
29	-0.6	-5.6	-2.3		1.00				1.00		1.00			1.00				1.00			1.00		6	45	14		
30	-0.3	-5.2	-1.9																				7	63	15		
31	-0.7	-8.7	-3.4																				2	315	9		

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	Total	00-06L	06-12L	12-18L	18-24L	Total	00-06L	06-12L	12-18L	18-24L	Total										
-0.1	-12.8	-4.5	0.0	1.0	0.0	0.0	1.8	7.4	0.5	1.1	7.7	10.9	10.4	11.5	144.2	27.6	0.0	171.7	0.10	60	7		22	28

Temp (C)		Total Hrs =or< 1600:	1.0	Total Hrs =or< 4800:	10.7	Total Hrs < 9999:	40.5
Average		Total Days =or< 1600:	1	Total Days =or< 4800:	4	Total Days < 9999:	7
Max	Min	% Hrs =or< 1600:	0.1%	% Hrs =or< 4800:	1.4%	% Hrs < 9999:	5.4%
-2.73	-8.11	% Days =or< 1600:	3.2%	% Days =or< 4800:	12.9%	% Days < 9999:	22.6%

Total Hrs	sn/sg/ic:	144.2
	fg/br:	27.6
	bs:	0.0
Total Days	sn/sg/ic:	17
	fg/br:	9
	bs:	0



Max Gust
18
18
20
21
13
22
22
23
19
24
22
19
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12
13
26
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28
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12

Station:  
NZCM

Monthly Climatology / Page 2

Month:  
DEC 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	7	35																		29.28	29.14	29.21	8	0.14	4.0	-17.0	
2	5	25													0.50						29.13	28.97	29.07	8	0.16	5.6	-17.0
3	6	35																			28.99	28.84	28.90	8	0.15	8.6	-23.0
4	6	35																			29.09	29.02	29.07	8	0.07	4.5	-23.0
5	1																				29.07	28.97	29.02	8	0.10	6.0	-15.0
6	3	80																			28.95	28.90	28.93	8	0.05	6.2	-22.0
7	8	30																			28.87	28.84	28.85	8	0.03	5.0	-21.0
8	7	40																			28.87	28.83	28.85	8	0.04	6.8	-15.0
9	3	100																			28.87	28.76	28.80	8	0.11	4.0	-12.0
10	6	80																			28.97	28.91	28.95	8	0.06	5.3	-12.0
11	3	25															1.50				29.06	28.96	29.01	8	0.10	6.8	-16.0
12	6	30																			29.25	29.07	29.16	8	0.18	5.7	-15.0
13	5	5								2.38											29.41	29.27	29.35	8	0.14	4.2	-15.0
14	7	40																			29.46	29.42	29.45	8	0.04	3.3	-10.0
15	5	60																			29.45	29.25	29.37	8	0.20	3.3	-10.0
16	7	20														4.50		2.50			29.20	29.11	29.14	8	0.09	5.1	-18.0
17	7	15													1.00		1.00		4.30		29.34	29.14	29.23	8	0.20	4.7	-13.0
18	2																				29.45	29.36	29.41	8	0.09	4.4	-10.0
19	2	22														0.50					29.40	29.33	29.36	8	0.07	7.0	-16.0
20	2																				29.29	29.22	29.24	8	0.07	7.7	-19.0
21	8	18													4.50		1.20				29.23	29.22	29.22	8	0.01	3.0	-19.0
22	6	45																			29.20	29.08	29.13	8	0.12	5.0	-16.0
23	5	60																			29.23	29.10	29.19	8	0.13	5.1	-17.0
24	7	25																			29.25	29.21	29.23	8	0.04	4.7	-11.0
25	8	19																			29.18	29.06	29.12	8	0.12	5.4	-18.0
26	7	13														4.75		2.00			29.03	29.00	29.01	8	0.03	4.9	-17.0
27	4	90																			29.20	29.04	29.12	8	0.16	8.3	-19.0
28	1																				29.20	29.16	29.18	8	0.04	4.2	-13.0
29	3	5														1.50					29.19	29.16	29.18	8	0.03	5.0	-11.0
30	6	120																			29.31	29.20	29.26	8	0.11	4.9	-12.0
31	2																				29.33	29.29	29.31	8	0.04	8.0	-16.0

Monthly Statistics

Avg Sky Cover	Ceiling (hrs)															Total Obs Taken	Min Wind Chill			
	< 500					< 1000					< 3000							Altimeter		
	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			Max	Min	Avg
5	0.0	0.0	0.0	0.0	2.4	1.5	0.0	0.0	12.6	11.4	14.5	17.8	29.46	28.76	29.14	248	-23.0			
Total Hrs =or< 500: 0.0					Total Hrs =or< 1000: 3.9					Total Hrs =or< 3000: 56.3					Total Days					
Total Days =or< 500: 0					Total Days =or< 1000: 2					Total Days =or< 3000: 11					31					
% Hrs =or< 500: 0.0%					% Hrs =or< 1000: 0.5%					% Hrs =or< 3000: 7.6%										
% Days =or< 500: 0.0%					% Days =or< 1000: 6.5%					% Days =or< 3000: 35.5%										

