McMurdo Station Daily Observation Worksheet

Date: 01

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	80	16	-5.3	-4.9	-5.4											25	160	1337	37	140	1306	6	110				29.07
15-18Z	130	14	-4.7	-4.5	-6.0											21	140	1719	31	140	1639	6	110				29.05
18-21Z	140	10	-1.4	-1.3	-4.5											21	140	1829	26	120	1816	6	180				29.05
21-24Z	140	13	-0.5	-0.4	-1.5											16	130	2331	26	140	2326	3					29.00
	12 hr Max/Min			-0.4	-6.0																						
00-03Z	30	7	1.0	1.3	-0.4											15	130	5	22	140	4	5	180				28.99
03-06Z	160	13	-1.6	0.9	-3.0											25	150	47	30	150	440	6	140				28.99
06-09Z	160	12	-1.9	-0.4	-2.0											15	160	801	18	150	803	6	140				29.02
09-12Z	180	13	-3.4	-1.4	-3.4											19	180	1122	24	160	1035	6	140				29.06
	12 hr Max/Min			1.3	-3.4																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
136	12	1.3	-6.0	-2.4

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill		WX and Duration			Pcpn
C	F	sn/sg/ic	fg/br	bs	Total
-24.0	-11.0	0	0	0	0.00

Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Time	Dir	Spd	Time	Sky Cover	est CIG	Time	<500	<1000	<3000
160	25	1337	140	37	1306	6	110	00-06L	0	0	0
								06-12L	0	0	0
								12-18L	0	0	0
								18-24L	0	0	0

Altimeter		
Max	Min	Avg
29.07	28.99	29.03

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
8	0.08	7.3

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 02

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	110	9	-3.1	-2.8	-3.6											18	180	1201	21	180	1200	6	70				29.10
15-18Z	90	7	-3.1	-2.9	-3.8				SN	1					T	17	140	1538	21	150	1534	7	70				29.11
18-21Z	170	17	-2.7	-1.9	-3.0											22	150	2047	26	150	2046	7	100				29.13
21-24Z	160	19	-3.6	-2.5	-3.7				SN	1					T	33	180	2220	40	180	2220	7	100				29.18
	12 hr Max/Min			-1.9	-3.8																						
00-03Z	130	15	-4.3	-3.7	-5.4				SN	1						21	140	215	29	130	42	8	70				29.23
03-06Z	130	9	-2.2	-1.9	-4.4											13	60	331	18	80	419	7	70				29.22
06-09Z	50	8	-1.8	-1.7	-3.2											16	50	626	20	40	717	7	150				29.20
09-12Z	260	3	-3.1	-1.3	-3.4											9	30	901	12	20	900	6	150				29.19
	12 hr Max/Min			-1.3	-5.4																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-est	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
136	11	-1.3	-5.4	-3.4	00-06L	0	0	0	-20.0	-5.0	3	0	0	0.00	180	33	2220	180	40	2220	7	70	00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.23	29.10	29.17						18-24L	0	0	0
																		8	0.13	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 03

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	340	10	-2.3	-2.1	-3.2											15	330	1333	20	340	1333	3					29.16
15-18Z	340	13	-1.6	-1.5	-2.2											14	340	1733	19	340	1737	3					29.14
18-21Z		0	0.6	0.7	-1.5											13	330	1845	18	330	1911	6	150				29.15
21-24Z	30	8	-1.6	2.2	-1.6											11	30	2324	13	30	2335	5	150				29.16
	12 hr Max/Min			2.2	-3.2																						
00-03Z	100	6	-0.4	4.1	-1.5											9	110	243	11	100	242	7	150				29.19
03-06Z	90	8	-1.6	0.2	-2.0											12	90	511	15	90	510	2					29.20
06-09Z	90	9	-3.1	-1.7	-3.2											14	50	609	18	50	608	2					29.22
09-12Z		3	-1.2	-0.7	-2.6											11	50	931	13	80	1104	1					29.22
	12 hr Max/Min			4.1	-3.2																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
35	7	4.1	-3.2	0.5

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-14.0	6.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn
Total
0.00

Max Wind		
Dir	Spd	Time
330	15	1333

Altimeter		
Max	Min	Avg
29.22	29.14	29.18

Max Gust		
Dir	Spd	Time
340	20	1333

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
6	0.08	7.3

Avg Sky Cover	Low-est CIG
4	150

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 04

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z		0	0.9	1.3	-1.3											8	30	1409	10	20	1408	1					29.20
15-18Z	330	8	-1.4	2.2	-1.6											12	340	1736	14	330	1750	2					29.17
18-21Z	330	10	-1.3	-0.8	-1.5											13	330	1957	17	330	1940	6	150				29.15
21-24Z	330	11	0.4	1.3	-0.8											12	330	2347	17	330	2346	7	150				29.11
	12 hr Max/Min			2.2	-1.6																						
00-03Z	320	6	2.9	3.0	0.6											14	340	157	17	320	212	7	120				29.10
03-06Z	300	6	3.3	3.4	1.6											9	310	457	11	300	513	1					29.07
06-09Z		0		4.1	2.5											7	240	737	9	310	709						
09-12Z	60	9	-0.3	3.8	-0.4											11	70	1150	14	80	1144	0					29.06
	12 hr Max/Min			4.1	-0.4																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
337	6	4.1	-1.6	1.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill		WX and Duration			Pcpn
C	F	sn/sg/ic	fg/br	bs	Total
-10.0	14.0	0	0	0	0.00

Max Wind			Max Gust			Avg Sky	Low-est
Dir	Spd	Time	Dir	Spd	Time	Cover	CIG
340	14	157	330	17	1940	3	120

Altimeter		
Max	Min	Avg
29.20	29.06	29.12

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
6	0.14	5.7

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 05

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	70	10	-2.2	0.1	-2.3											13	60	1357	16	70	1327	1					29.09
15-18Z	60	7	-1.4	-0.7	-2.1											12	70	1547	14	70	1634	1					29.11
18-21Z	70	5	0.4	1.2	-1.9											12	50	1808	14	50	1806	0					29.14
21-24Z	60	13	-3.0	1.3	-3.6											16	60	2327	21	60	2345	0					29.16
	12 hr Max/Min			1.3	-3.6																						
00-03Z	60	11	-1.2	-1.0	-2.8											18	50	106	22	60	113	0					29.19
03-06Z	70	11	-0.6	-0.2	-1.5											13	60	328	16	50	324	0					29.21
06-09Z	50	8	-0.9	0.9	-1.2											12	40	836	15	40	835	1					29.24
09-12Z		3	-1.3	-1.0	-2.5											12	40	912	15	50	919	2					29.28
	12 hr Max/Min			0.9	-2.8																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg Sky	Low-est	Ceiling (hrs)			
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	<3000
63	9	1.3	-3.6	-1.2	00-06L	0	0	0	-15.0	5.0	0	0	0	0.00	50	18	106	60	22	113	1		00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.28	29.09	29.18	7	0.19	4.9			18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 06

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	110	5	-1.1	-0.1	-1.9											8	100	1431	11	100	1330	1					29.29
15-18Z		0	-0.1	1.2	-1.4											7	100	1614	9	100	1614	1					29.32
18-21Z	80	5	-0.3	2.3	-2.4											9	100	2012	12	90	2011	1					29.34
21-24Z		3	2.2	2.4	0.3											7	280	2239	8	290	2239	1					29.35
	12 hr Max/Min			2.4	-2.4																						
00-03Z	50	10	0.1	2.9	-1.0											12	50	245	16	50	245	1					29.34
03-06Z	50	12	0.0	0.5	-0.5											13	50	545	17	50	339	1					29.33
06-09Z	20	4	0.1	1.6	-0.2											12	50	559	14	40	635	1					29.33
09-12Z	290	5	-0.9	0.9	-1.4											8	310	931	10	300	1042	1					29.32
	12 hr Max/Min			2.9	-1.4																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
51	6	2.9	-2.4	0.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill		WX and Duration			Pcpn
C	F	sn/sg/ic	fg/br	bs	Total
-9.0	16.0	0	0	0	0.00

Max Wind			
Dir	Spd	Time	
50	13	545	
Altimeter			
Max	Min	Avg	
29.35	29.29	29.33	

Max Gust					
Dir	Spd	Time	Total Obs Taken	Daily Pres Diff	Daily Temp Diff
50	17	339	6	0.06	5.3

Avg Sky Cover	Low-est CIG
1	

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 07

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z		0	0.7	2.4	-0.7											5	290	1212	7	310	1209	1					29.31
15-18Z	30	7	0.8	1.6	-1.1											10	80	1628	12	80	1627	1					29.30
18-21Z		3	1.4	4.5	0.7											7	100	2018	8	110	2036	2					29.31
21-24Z		0	4.1	5.7	2.4											6	100	2224	8	90	2224	6	100				29.30
	12 hr Max/Min			5.7	-1.1																						
00-03Z		0	4.9	6.0	2.5											6	270	2	7	270	2359	7	120				29.29
03-06Z	100	6	1.7	4.9	1.6											10	140	458	13	150	458	6	100				29.28
06-09Z	40	6	2.6	2.6	0.6											14	140	615	17	140	610	3					29.27
09-12Z		0	3.0	3.2	0.9											9	30	921	11	20	902	5	150				29.25
	12 hr Max/Min			6.0	0.6																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
54	3	6.0	-1.1	2.5

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-3.0	27.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
140	14	615

Altimeter		
Max	Min	Avg
29.31	29.25	29.29

Max Gust		
Dir	Spd	Time
140	17	610

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
3	0.06	7.1

Avg Sky Cover	Low-est CIG
4	100

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 08

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z		0	3.7	5.0	1.0											6	140	1310	7	170	1335	1					29.25
15-18Z	90	8	1.1	3.4	0.6											10	100	1706	13	80	1640	2					29.26
18-21Z	60	10	-1.1	1.8	-2.3											16	30	2036	22	30	2042	3					29.26
21-24Z	80	15	-0.8	0.0	-2.3											15	80	2348	22	40	2102	7	180				29.28
	12 hr Max/Min			5.0	-2.3																						
00-03Z	110	10	0.4	0.7	-0.6											14	130	157	26	140	50	7	100				29.25
03-06Z	50	10	1.4	2.0	0.1											15	50	538	20	30	412	6	100				29.24
06-09Z	110	11	0.3	1.8	0.2											14	80	646	22	100	659	3					29.25
09-12Z	60	13	-3.4	0.4	-3.6											17	50	1145	21	50	1150	3					29.24
	12 hr Max/Min			2.0	-3.6																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
79	10	5.0	-3.6	0.7

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-15.0	5.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
50	17	1145

Altimeter		
Max	Min	Avg
29.28	29.24	29.25

Max Gust		
Dir	Spd	Time
140	26	50

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
7	0.04	8.6

Avg Sky Cover	Low-est CIG
4	100

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 09

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	60	11	-3.7	-3.3	-4.7											17	50	1339	22	50	1314	4					29.24
15-18Z	70	11	-3.3	-2.4	-4.8											19	50	1646	24	40	1645	4					29.23
18-21Z	90	13	-1.6	-1.4	-3.8											18	40	2031	25	50	2030	2					29.24
21-24Z	50	8	-0.1	0.2	-1.5											16	50	2127	20	50	2316	1					29.25
	12 hr Max/Min			0.2	-4.8																						
00-03Z	120	5	2.5	3.0	-0.7											12	30	7	17	20	7	1					29.25
03-06Z	50	11	0.7	2.5	0.3											17	50	540	21	50	539	1					29.24
06-09Z	60	7	2.1	2.7	-0.7											18	40	628	24	40	627	5	150				29.26
09-12Z	70	9	-1.2	2.8	-1.5											13	60	1106	19	90	1045	6	150				29.27
	12 hr Max/Min			3.0	-1.5																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg Sky	Low-est	Ceiling (hrs)			
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	<3000
69	9	3.0	-4.8	-0.9	00-06L	0	0	0	-15.0	5.0	0	0	0	0.00	50	19	1646	50	25	2030	3	150	00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.27	29.23	29.25						18-24L	0	0	0
																		8	0.04	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 10

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	90	5	-0.2	-0.1	-2.0											13	50	1337	17	60	1337	3					29.27
15-18Z	90	10	-1.8	-0.4	-2.3											14	60	1746	18	50	1745	2					29.29
18-21Z	40	16	-3.0	-9.9	-3.5											18	50	2023	22	50	2009	1					29.29
21-24Z	60	14	-2.2	-9.3	-2.0											20	50	2141	24	50	2140	2					29.32
	12 hr Max/Min			-0.1	-3.5																						
00-03Z	50	13	-1.4	-1.1	-2.4											17	60	19	21	60	33	4					29.33
03-06Z	60	11	-0.4	-0.4	-2.0											15	50	344	19	40	440	1					29.34
06-09Z	50	15	-1.6	-0.3	-1.7											16	50	848	19	50	848	1					29.36
09-12Z	50	9	-0.9	-1.0	-1.6											15	40	907	17	50	1907	1					29.38
	12 hr Max/Min			-0.3	-2.4																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-est	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
57	12	-0.1	-3.5	-1.8	00-06L	0	0	0	-17.0	3.0	0	0	0	0.00	50	20	2141	50	24	2140	2		00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.38	29.27	29.32						18-24L	0	0	0
																		8	0.11	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 11

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	30	9	-0.3	-0.2	-1.0											13	30	1410	16	30	1412	1					29.39
15-18Z	30	12	-0.7	-0.2	-1.1											14	30	1704	18	30	1748	1					29.43
18-21Z	80	11	0.6	1.3	-0.6											11	50	1827	14	40	1828	1					29.47
21-24Z	100	11	0.3	0.5	-0.4											18	130	2233	25	130	2302	1					29.51
	12 hr Max/Min			1.3	-1.1																						
00-03Z	110	11	0.3	0.5	0.0											20	130	143	27	130	158	1					29.53
03-06Z	30	11	-0.2	1.3	-0.9											15	140	333	22	150	308	1					29.55
06-09Z	50	9	-0.4	1.2	-0.9											11	50	834	14	50	845	2					29.57
09-12Z	40	8	-0.5	-0.3	-2.8											17	30	1031	21	20	1029	3					29.58
	12 hr Max/Min			1.3	-2.8																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
59	10	1.3	-2.8	-0.8

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill		WX and Duration			Pcpn
C	F	sn/sg/ic	fg/br	bs	Total
-12.0	10.0	0	0	0	0.00

Max Wind			Max Gust			Avg Sky	Low-est	Ceiling (hrs)			
Dir	Spd	Time	Dir	Spd	Time	Cover	CIG	Time	<500	<1000	<3000
130	20	143	130	27	158	1		00-06L	0	0	0
								06-12L	0	0	0
								12-18L	0	0	0
								18-24L	0	0	0

Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff
Max	Min	Avg			
29.58	29.39	29.50	8	0.19	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 12

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	50	6	0.6	0.8	-0.3											7	40	1316	11	50	1300	4					29.58
15-18Z	40	7	0.4	1.6	0.1											9	40	1546	10	40	1545	5	100				29.60
18-21Z	60	7	1.1	1.7	0.3											8	60	2050	11	90	1936	7	100				29.61
21-24Z	40	9	-1.1	0.9	-1.3											13	40	2346	17	40	2342	8	120				29.62
	12 hr Max/Min			1.7	-1.3																						
00-03Z	50	11	-0.8	0.0	-1.4											14	30	40	16	40	40	7	110				29.63
03-06Z	30	10	-1.7	-0.9	-1.9											14	50	604	17	40	612	7	110				29.65
06-09Z	30	10	-1.7	-0.9	-1.9											14	50	604	17	40	612	7	110				29.65
09-12Z	50	7	-2.2	-1.8	-2.2											10	50	1058	13	40	1036	7	110				29.65
	12 hr Max/Min			0.0	-2.2																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
43	8	1.7	-2.2	-0.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-11.0	12.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
30	14	40

Altimeter		
Max	Min	Avg
29.65	29.58	29.62

Max Gust		
Dir	Spd	Time
40	17	2342

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
8	0.07	3.9

Avg Sky Cover	Low-est CIG
7	100

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 13

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	50	5	-1.9	-1.8	-2.4											9	50	1158	10	40	1244	7	110				29.63
15-18Z	100	4	-1.0	-0.8	-1.8											8	50	1514	10	50	1513	7	120				29.63
18-21Z	60	5	-0.6	0.1	-1.3											7	50	1835	8	70	2047	7	120				29.62
21-24Z	40	6	0.5	0.9	-0.3											7	70	2235	10	50	2339	7	120				29.61
	12 hr Max/Min			0.9	-2.4																						
00-03Z	30	5	0.7	1.4	-0.3											12	50	102	13	50	104	7	120				29.58
03-06Z	30	8	1.4	1.6	0.5											10	40	440	12	30	424	4					29.57
06-09Z	30	7	1.9	2.9	0.2											10	340	838	14	340	835	4					29.57
09-12Z	340	9	-1.5	0.6	-1.6											9	340	1147	13	340	1144	7	15				29.55
	12 hr Max/Min			2.9	-1.6																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
33	6	2.9	-2.4	0.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-10.0	14.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind			
Dir	Spd	Time	
50	12	102	
Altimeter			
Max	Min	Avg	
29.63	29.55	29.60	

Max Gust			
Dir	Spd	Time	
340	14	835	
Total Obs Taken	Daily Pres Diff	Daily Temp Diff	
8	0.08	5.3	

Avg Sky Cover	Low-est CIG
6	15

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 14

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	340	11	-1.6	-1.2	-1.8											11	330	1450	15	330	1445	4					29.51
15-18Z	330	8	-0.8	-0.6	-1.5											11	330	1715	17	340	1505	6	120				29.48
18-21Z	330	8	0.3	0.5	-0.7											13	320	1859	18	340	1921	8	120				29.46
21-24Z	310	8	1.5	1.9	0.0											13	310	2219	18	310	2130	8	180				29.45
	12 hr Max/Min			1.9	-1.8																						
00-03Z	320	10	0.6	2.0	0.5											12	310	223	17	320	240	8	180				29.45
03-06Z	320	11	0.6	1.0	0.1											12	310	517	16	310	441	7	100				29.45
06-09Z	320	9	0.0	1.5	0.0											12	310	616	15	300	820	3					29.46
09-12Z	330	8	-0.6	0.1	-0.8											12	310	1110	17	300	1005	2					29.47
	12 hr Max/Min			2.0	-0.8																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
325	9	2.0	-1.8	0.1

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-13.0	9.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
320	13	1859

Altimeter		
Max	Min	Avg
29.51	29.45	29.47

Max Gust		
Dir	Spd	Time
340	18	1921

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
8	0.06	3.8

Avg Sky Cover	Low-est CIG
6	100

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 15

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	320	6	-0.6	-0.3	-0.7											10	320	1337	12	310	1336	1					29.47
15-18Z	330	7	-0.7	-0.3	-1.1											10	310	1629	14	310	1732	3					29.47
18-21Z	330	8	0.3	0.8	-0.8											11	310	2035	15	330	1915	1					29.48
21-24Z	320	9	0.8	0.9	0.1											13	310	2335	18	320	2320	1					29.49
	12 hr Max/Min			0.9	-1.1																						
00-03Z	310	12	0.9	1.1	0.3											14	310	141	20	340	31	2					29.48
03-06Z	310	8	1.2	1.3	0.6											13	310	417	19	320	311	3					29.49
06-09Z	300	9	0.7	1.7	0.3											10	310	850	14	310	631	3					29.51
09-12Z	310	7	-0.3	0.4	-0.7											10	310	1130	14	320	1113	1					29.52
	12 hr Max/Min			1.7	-0.7																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
315	8	1.7	-1.1	0.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-12.0	10.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
310	14	141

Altimeter		
Max	Min	Avg
29.52	29.47	29.49

Max Gust		
Dir	Spd	Time
340	20	31

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
8	0.05	2.8

Avg Sky Cover	Low-est CIG
2	

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 16

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	320	5	-0.2	0.2	-1.0											10	310	1318	13	310	1317	1					29.53
15-18Z	330	5	0.4	1.1	0.0											7	320	1734	9	310	1737	1					29.54
18-21Z		3	3.3	3.7	0.8											6	320	1816	7	320	1841	2					29.57
21-24Z		0	4.4	4.9	1.8											6	260	2221	8	260	2228	3					29.58
	12 hr Max/Min			4.9	-1.0																						
00-03Z		3	4.8	5.4	2.8											5	180	27	7	170	59	3					29.60
03-06Z	290	5	2.7	5.1	2.3											6	260	433	7	300	550	2					29.62
06-09Z		0	3.0	4.5	2.6											5	190	825	6	320	601	2					29.64
09-12Z	300	5	0.7	3.3	0.4											6	310	1150	8	300	1037	2					29.66
	12 hr Max/Min			5.4	0.4																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
310	3	5.4	-1.0	2.2

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-10.0	14.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
310	10	1318

Altimeter		
Max	Min	Avg
29.66	29.53	29.59

Max Gust		
Dir	Spd	Time
310	13	1317

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
4	0.13	6.4

Avg Sky Cover	Low-est CIG
2	

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 17

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z		3	1.0	1.3	0.6											6	310	1420	8	310	1212	1					29.67
15-18Z		3	1.0	2.2	0.7											5	300	1750	8	300	1750	1					29.68
18-21Z	320	5	2.0	2.9	1.2											6	300	1946	8	310	1945	3					29.70
21-24Z	300	5	2.3	3.5	1.2											8	300	2349	10	300	2349	4					29.71
	12 hr Max/Min			3.5	0.6																						
00-03Z		6	2.8	2.9	1.5											9	310	133	11	290	249	4					29.71
03-06Z	290	6	2.8	3.0	2.1											7	290	524	9	300	529	2					29.72
06-09Z		3	2.8	4.1	2.1											6	300	630	7	270	837	1					29.72
09-12Z		0	2.3	2.9	1.1											5	300	913	6	300	912	3					29.72
	12 hr Max/Min			4.1	1.1																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
302	4	4.1	0.6	2.4	00-06L	0	0	0	-5.0	23.0	0	0	0	0.00	310	9	133	290	11	249			00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	2		06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.72	29.67	29.70						18-24L	0	0	0
																		3	0.05	3.5						

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 18

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z		3	0.3	3.4	-0.2											6	310	1447	8	300	1446	7	30			2	29.72
15-18Z		0	2.2	2.3	0.0											6	330	1517	7	340	1516	7	30			3	29.72
18-21Z	310	6	1.2	3.4	0.4				SN	1						7	310	2046	8	310	2050	7	30			3	29.73
21-24Z	340	5	0.9	1.8	0.4				SN	3					T	9	310	2125	12	320	2130	4				3	29.74
	12 hr Max/Min			3.4	-0.2																						
00-03Z	310	7	2.9	3.1	0.4											7	320	246	11	330	46	5	80				29.75
03-06Z	50	8	-1.1	2.9	-1.1				SN	3					T	11	30	537	13	30	535	6	70				29.76
06-09Z		3	0.2	0.6	-1.5				SN	2						9	30	730	12	30	714	7	50				29.78
09-12Z	70	9	-3.7	0.6	-3.7										T	11	30	537	14	90	1123	7	50				29.81
	12 hr Max/Min			3.1	-3.7																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-est	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
8	5	3.4	-3.7	-0.2	00-06L	0	0	0	-13.0	9.0	9	0	0	0.00	30	11	537	90	14	1123			00-06L	0	0	5
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	6	30	06-12L	0	0	6
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.81	29.72	29.75						18-24L	0	0	0
																		5	0.09	7.1						

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 19

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	80	16	-6.2	-3.7	-6.1				SN							14	80	1434	20	90	1446	8	30			1	29.83
15-18Z	80	14	-6.5	-6.1	-6.6				SN	3					T	18	80	1613	22	70	1727	8	30			3	29.84
18-21Z	80	19	-6.7	-6.5	-6.9											20	80	2043	25	80	2042	8	30			3	29.86
21-24Z	70	13	-5.9	-5.8	-6.8				SN						T	20	80	2102	25	70	2346	8	30			3	29.88
	12 hr Max/Min			-3.7	-6.9																						
00-03Z	80	13	-5.4	-5.4	-5.9				SN	3						18	60	31	23	60	49	8	25			3	29.88
03-06Z	70	12	-5.6	-5.3	-5.5				SN	3					T	18	80	502	21	90	547	8	40			2	29.89
06-09Z	60	12	-5.9	-5.5	-6.0		1	2	SN	3						16	60	611	21	60	610	8	15			2	29.90
09-12Z	30	5	-5.2	-5.0	-6.1		2	1	SN	3					0.01	14	60	902	18	50	1021	8	20			3	29.91
	12 hr Max/Min			-5.0	-6.1																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
73	13	-3.7	-6.9	-5.3	00-06L	0	0	0	-24.0	-11.0	15	0	0	0.01	80	20	2043	80	25	2042			00-06L	0	0	4
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	8	15	06-12L	0	0	6
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	5
					18-24L	0	3	3							29.91	29.83	29.87						18-24L	0	0	5
																		8	0.08	3.2						

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 20

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z		0	-2.8	-2.4	-5.0		1	1	SN	3						8	30	1209	10	20	1222	8	15			3	29.89
15-18Z		0	-2.1	-2.1	-3.5				SN	3					T	3	240	1514	4	260	1507	7	15			3	29.87
18-21Z	310	5	-1.4	-1.2	-2.7				SN	3						9	310	2016	13	290	2021	7	30			3	29.84
21-24Z	320	3	-0.4	0.0	-1.5				SN	3					T	12	270	2205	15	270	2204	7	30			3	29.81
	12 hr Max/Min			0.0	-5.0																						
00-03Z	30	7	0.1	3.9	-0.4				SN	3						8	30	240	11	30	238	3				2	29.77
03-06Z	60	8	0.3	0.6	-0.4										T	11	30	344	13	30	403	1					29.75
06-09Z	20	10	-0.4	0.5	-0.6											10	30	830	12	30	827	1					29.72
09-12Z	180	3	-0.6	0.4	-1.1											10	30	858	13	30	857	1					29.69
	12 hr Max/Min			3.9	-1.1																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
20	5	3.9	-5.0	-0.6	00-06L	0	1	1	-13.0	9.0	15	0	0	0.00	270	12	2205	270	15	2204			00-06L	0	0	6
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	4	15	06-12L	0	0	6
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	2
					18-24L	0	0	0							29.89	29.69	29.79	6	0.20	8.9			18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 21

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z		5	-0.1	1.8	-0.7											8	310	1429	11	300	1450	4					29.64
15-18Z		0	-0.2	0.7	-1.8											9	330	1628	13	340	1521	3					29.60
18-21Z		3	1.0	3.2	-0.7											5	270	2048	7	100	1920	3					29.57
21-24Z	100	9	0.5	3.7	0.3											10	100	2342	12	90	2348	5	150				29.55
	12 hr Max/Min			3.7	-1.8																						
00-03Z	80	12	-0.7	1.1	-0.8											13	80	238	17	90	238	1					29.54
03-06Z	80	20	-0.4	-0.5	-4.1											21	80	550	23	80	550	1					29.54
06-09Z	60	15	-4.6	-3.6	-5.0											21	80	741	26	90	736	1					29.53
09-12Z	50	18	-5.8	-4.7	-5.9											19	50	1146	24	50	1145	1					29.53
	12 hr Max/Min			1.1	-5.9																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg Sky	Low-est	Ceiling (hrs)			
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	<3000
71	10	3.7	-5.9	-1.1	00-06L	0	0	0	-23.0	-9.0	0	0	0	0.00	80	21	550	90	26	736	2	150	00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.64	29.53	29.56						18-24L	0	0	0
																		5	0.11	9.6						

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 22

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	60	14	-6.6	-5.9	-6.6											20	60	1358	24	70	1325	3					29.54
15-18Z	80	9	-6.7	-6.5	-7.0											17	60	1526	23	60	1504	5	15			3	29.55
18-21Z	50	10	-5.8	-5.6	-6.6											12	50	2034	16	80	1843	8	15			3	29.55
21-24Z	70	7	-4.1	-4.0	-5.6				-SN	1					0.00	14	50	2300	17	60	238	8	15			3	29.54
	12 hr Max/Min			-4.0	-7.0																						
00-03Z	50	11	-4.2	-3.7	-4.4				-SN	3						12	50	248	15	50	247	8	15			3	29.53
03-06Z	40	6	-3.9	-3.9	-4.6				-SN	3					0.10	13	50	318	15	50	510	7	20			3	29.51
06-09Z	0	0	-2.0	-1.1	-4.0				-SN	1						10	30	316	12	20	616	6	25			3	29.48
09-12Z	300	3	-2.9	-1.6	-3.1										0.10	4	310	1150	5	300	1150	7	30			3	29.48
	12 hr Max/Min			-1.1	-4.6																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-est	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
56	8	-1.1	-7.0	-4.1	00-06L	0	0	0	-23.0	-9.0	8	0	0	0.20	60	20	1358	70	24	1325			00-06L	0	0	3
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	7	15	06-12L	0	0	6
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	6
					18-24L	0	0	0							29.55	29.48	29.52	8	0.07	5.9			18-24L	0	0	6

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 23

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	280	7	-2.9	-2.6	-3.1											7	300	1415	9	280	1445	7	30			3	29.45
15-18Z	280	8	-2.1	-1.9	-3.0											9	270	1750	11	280	1739	7	30				29.45
18-21Z	260	4	-1.3	-0.9	-2.3											8	270	1845	10	280	1813	3					29.45
21-24Z	260	3	0.8	1.1	-3.1											7	310	2258	9	310	2258	6	60				29.48
	12 hr Max/Min			1.1	-3.1																						
00-03Z	100	9	-2.2	0.3	-2.4											12	100	241	13	100	243	2					29.50
03-06Z	100	9	-2.7	-1.8	-3.0											12	100	532	15	100	534	1					29.51
06-09Z	110	7	-4.2	-2.5	-4.2											11	100	713	13	100	742	1					29.53
09-12Z	0	0	-3.0	-2.5	-4.8											10	30	1125	13	30	1125	1					29.52
	12 hr Max/Min			0.3	-4.8																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
147	6	1.1	-4.8	-1.9

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-15.0	5.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind			
Dir	Spd	Time	
100	12	241	

Altimeter		
Max	Min	Avg
29.53	29.45	29.49

Max Gust			
Dir	Spd	Time	
100	15	534	

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
8	0.08	5.9

Avg Sky Cover	Low-est CIG
4	30

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	3
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 24

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	0	0	0.4	1.0	-3.2											6	270	1233	7	270	1219	1					29.52
15-18Z	300	6	-2.1	0.4	-2.3											8	310	1750	10	310	1648	1					29.52
18-21Z	310	6	0.2	0.3	-2.3											8	330	1946	11	330	1934	1					29.53
21-24Z	290	7	0.4	0.8	-0.8											7	300	2350	10	300	2349	1					29.54
	12 hr Max/Min			1.0	-3.2																						
00-03Z	270	5	1.7	3.2	0.3											7	310	3	10	300	5	2					29.55
03-06Z		4	3.3	4.3	1.4											6	270	315	7	260	313	1					29.57
06-09Z				3.1	-0.8											9	100	742	12	100	649						
09-12Z	60	11	-3.7	1.6	-3.7											12	80	1127	16	100	1120	6	110				29.59
	12 hr Max/Min			4.3	-3.7																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
321	6	4.3	-3.7	0.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-16.0	3.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind			
Dir	Spd	Time	
80	12	1127	
Altimeter			
Max	Min	Avg	
29.59	29.52	29.55	

Max Gust				
Dir	Spd	Time	Total Obs Taken	Daily Pres Diff
100	16	1120	6	0.07

Daily Temp Diff
8.0

Avg Sky Cover	Low-est CIG
2	110

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 25

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z				-0.3	-3.5											15	50	1432	18	50	1418						
15-18Z	100	10	-3.9	-3.0	-4.9											16	90	1659	23	130	1640	7	120				29.63
18-21Z				-2.2	-4.0											18	160	1937	25	180	1938						
21-24Z				0.4	-2.8											18	180	2350	24	180	2350	7	100				29.61
	12 hr Max/Min			0.4	-4.9																						
00-03Z				-1.2	-4.3											26	170	37	34	180	1						
03-06Z	140	8	-4.3	-4.3	-5.0											22	150	300	24	150	302	8	80				29.63
06-09Z				-4.4	-5.1											11	130	719	15	130	719						
09-12Z	110	8	-7.3	-4.8	-7.3											15	140	1101	20	150	1017	7	30			2	29.62
	12 hr Max/Min			-1.2	-7.3																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	est CIG	Time	<500	<1000	<3000
115	9	0.4	-7.3	-3.5	00-06L	0	0	0	-20.0	-4.0	0	0	0	0.00	170	26	37	180	34	1	7	30	00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.63	29.61	29.62						18-24L	0	0	2
																		3	0.02	7.7						

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 26

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z				-7.1	-8.3											13	100	1449	18	140	1235						
15-18Z	50	12	-8.0	-7.9	-8.8				-SN	1					T	15	50	1747	20	50	1616	8	30			3	29.62
18-21Z				-5.6	-8.0				-SN	3						17	30	1935	20	30	1938						
21-24Z	50	11	-4.3	-4.1	-6.2				-SN	2					T	15	50	2336	18	50	2338	8	150				29.54
	12 hr Max/Min			-4.1	-8.8																						
00-03Z				-1.7	-4.2				-SN	3						17	50	43	19	40	250						
03-06Z	30	8	-3.1	-1.7	-3.3				-SN	3					T	18	30	446	21	30	449	8	150				29.44
06-09Z	100	8	-3.3	-1.3	-3.5				-SN	2					T	9	90	823	13	20	557	8	150				29.39
09-12Z	50	6	-1.3	-0.6	-3.4											9	50	1148	12	50	1101	8	150				29.37
	12 hr Max/Min			-0.6	-4.2																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	est CIG	Time	<500	<1000	<3000
55	9	-0.6	-8.8	-4.7	00-06L	0	0	0	-21.0	-6.0	14	0	0	0.00	30	18	446	30	21	449	8	30	00-06L	0	0	3
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.62	29.37	29.47						18-24L	0	0	0
																		5	0.25	8.2						

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 27

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	70	10	-4.1	-0.7	-4.5											10	70	1450	16	60	1450	6	150				29.36
15-18Z	50	10	-4.6	-3.9	-4.7				SN	1					T	13	50	1544	17	50	1543	7	100				29.37
18-21Z	80	6	-3.4	-3.0	-4.6											13	80	2004	17	90	1959	8	100				29.38
21-24Z	90	8	-2.8	-2.4	-3.7											13	50	2140	17	50	2139	8	100				29.38
	12 hr Max/Min			-0.7	-4.7																						
00-03Z	80	9	-2.8	-2.1	-2.9			1	SN	1						12	80	215	15	50	248	8	20			1	29.37
03-06Z	90	6	-2.4	-1.7	-3.3		1	2	SN	3					T	13	50	258	6	50	332	8	20			3	29.38
06-09Z	110	7	-2.7	-2.0	-2.7		1	2	SN	3						9	100	841	12	100	834	8	20			3	29.37
09-12Z	110	5	-2.8	-2.7	-3.4			1	SN	3					T	11	80	949	14	80	945	8	20			3	29.37
	12 hr Max/Min			-1.7	-3.4																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
82	8	-0.7	-4.7	-2.7

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	1	3
18-24L	0	1	3

Min Wind Chill	
C	F
-14.0	6.0

WX and Duration		
sn/sg/ic	fg/br	bs
11	0	0

Pcpn Total
0.00

Max Wind			
Dir	Spd	Time	
50	13	1544	
Altimeter			
Max	Min	Avg	
29.38	29.36	29.37	

Max Gust				
Dir	Spd	Time	Total Obs Taken	Daily Pres Diff
50	17	1543	8	0.02

Daily Temp Diff
4.0

Avg Sky Cover	Low-est CIG
8	20

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	4
18-24L	0	0	6

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 28

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	110	8	-3.6	-2.7	-3.6				SN	3						10	130	1440	13	140	1439	8	20			3	29.36
15-18Z	60	10	-4.5	-3.6	-4.6	2	1		SN	3					0.06	12	80	1717	14	80	1719	8	25			3	29.36
18-21Z	60	8	-4.3	-4.2	-4.6	3			SN	3						12	50	1914	16	50	1912	8	70			2	29.34
21-24Z	60	9	-3.5	-3.3	-4.3	3			SN	3					0.03	11	60	2245	14	50	2336	8	70				29.33
	12 hr Max/Min			-2.7	-4.6																						
00-03Z	60	11	-3.6	-3.3	-4.1	1	2		SN	3						14	50	147	18	50	150	8	70				29.31
03-06Z	60	11	-3.5	-2.6	-3.8	3			SN	3					0.08	13	70	305	17	50	509	8	70			3	29.29
06-09Z	60	9	-4.1	-3.3	-4.1	2	1		SN	3						13	60	809	17	60	746	7	70			3	29.28
09-12Z	70	8	-3.3	-3.1	-4.3		1		SN	1					0.01	12	70	932	15	50	1019	7	70			1	29.27
	12 hr Max/Min			-2.6	-4.3																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	CIG	Time	<500	<1000	<3000
66	9	-2.6	-4.6	-3.6	00-06L	2	1	0	-15.0	5.0	22	0	0	0.18	50	14	147	50	18	150			00-06L	0	0	6
					06-12L	6	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff	8	20	06-12L	0	0	2
					12-18L	4	2	0							Max	Min	Avg						12-18L	0	0	3
					18-24L	2	2	0							29.36	29.27	29.32	8	0.09	2.0			18-24L	0	0	4

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 29

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	60	6	-3.1	-2.1	-3.6											8	50	1202	10	50	1232	7	70				29.25
15-18Z			-0.4	-0.3	-3.0											7	110	1528	8	120	1536	7	70				29.23
18-21Z	320	6	-0.7	1.1	-1.0											8	310	2036	10	300	2048	7	70				29.22
21-24Z	310	8	-1.3	-0.2	-1.9											12	310	2330	16	320	2334	7	7		1		29.21
	12 hr Max/Min			1.1	-3.6																						
00-03Z	310	7	-0.2	0.3	-1.7											10	320	237	14	310	7	6	70				29.20
03-06Z	330	9	-0.4	0.8	-0.5											11	330	545	15	340	436	7	150				29.18
06-09Z	340	8	0.0	0.9	-0.5											11	330	648	16	3430	648	7	150				29.17
09-12Z	330	8	-1.7	-0.5	-1.9											10	340	1007	14	330	912	6	150				29.17
	12 hr Max/Min			0.9	-1.9																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
332	7	1.1	-3.6	-1.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-9.0	16.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
310	12	2330

Altimeter		
Max	Min	Avg
29.25	29.17	29.20

Max Gust		
Dir	Spd	Time
320	16	2334

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
7	0.08	4.7

Avg Sky Cover	Low-est CIG
7	7

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	1	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 30

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	340	8	-2.1	-1.9	-2.3											10	330	1406	13	340	1325	6	150				29.16
15-18Z			0.1	0.3	-2.4											8	330	1459	10	330	1458	6	150				29.17
18-21Z	290	4	0.0	0.9	-0.1											5	300	2050	7	300	2044	7	100				29.18
21-24Z			3.2	3.8	0.1											6	270	2239	7	290	2246	7	100				29.20
	12 hr Max/Min			3.8	-2.4																						
00-03Z	100	6	-0.6	4.4	-0.7											9	100	222	12	90	222	7	100				29.21
03-06Z	90	6	0.0	1.2	-0.5											10	100	526	12	100	526	7	100				29.22
06-09Z	70	11	-3.3	-0.5	-3.4											14	80	759	17	90	758	7	50				29.25
09-12Z	50	7	-3.7	-2.7	-4.9											13	70	1016	16	60	1012	7	100				29.28
	12 hr Max/Min			4.4	-4.9																						

Avg Wind		Max	Min	Avg
Dir	Spd	Temp	Temp	Temp
53	7	4.4	-4.9	-0.3

Visibility (hrs)			
Time	<1600	<4800	<9999
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	0	0

Min Wind Chill	
C	F
-14.0	7.0

WX and Duration		
sn/sg/ic	fg/br	bs
0	0	0

Pcpn Total
0.00

Max Wind		
Dir	Spd	Time
80	14	759

Altimeter		
Max	Min	Avg
29.28	29.16	29.21

Max Gust		
Dir	Spd	Time
90	17	758

Total Obs Taken	Daily Pres Diff	Daily Temp Diff
6	0.12	9.3

Avg Sky Cover	Low-est CIG
7	50

Ceiling (hrs)			
Time	<500	<1000	<3000
00-06L	0	0	0
06-12L	0	0	0
12-18L	0	0	0
18-24L	0	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: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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: 31

Time	Winds			3 hr Temp		Visibility (hrs)			Wx and Duration (Note 2)						Pcpn	Max Wind (Note 3)			Max Gust (Note 3)			Avg Sky	Low-est	Ceiling (hrs)			Alt
Zulu	Dir	Spd	Temp	Max	Min	<1600	<4800	<9999	sn/sg/ic	hrs	fg/br	hrs	bs	hrs	Amt	Spd	Dir	Time	Spd	Dir	Time	Cover	CIG	<500	<1000	<3000	(in)
12-15Z	80	9	-3.1	-2.5	-3.9											14	80	1429	17	90	1327	7	150				29.29
15-18Z	60	11	-2.2	-1.7	-2.9											13	70	1533	17	70	1503	6	150				29.30
18-21Z			1.0	1.2	-2.1											13	60	1800	15	60	1819	6	150				29.31
21-24Z		4	-0.7	2.4	-2.4											10	100	2130	13	110	2129	6	150				29.32
	12 hr Max/Min			2.4	-3.9																						
00-03Z	10	6	0.6	0.6	-2.8											12	30	212	17	30	37	6	150				29.30
03-06Z		5	-1.3	-0.1	-2.0											12	30	329	15	30	329	7	90				29.30
06-09Z		3	-2.2	-0.6	-2.2											8	310	600	10	310	559	7	10		2	2	29.29
09-12Z			-1.8	-1.4	-2.2											5	280	930	6	270	929	7	10		3	3	29.29
	12 hr Max/Min			0.6	-2.8																						

Avg Wind		Max	Min	Avg	Visibility (hrs)				Min Wind Chill		WX and Duration			Pcpn	Max Wind			Max Gust			Avg	Low-	Ceiling (hrs)			
Dir	Spd	Temp	Temp	Temp	Time	<1600	<4800	<9999	C	F	sn/sg/ic	fg/br	bs	Total	Dir	Spd	Time	Dir	Spd	Time	Sky Cover	est CIG	Time	<500	<1000	<3000
56	6	2.4	-3.9	-0.8	00-06L	0	0	0	-12.0	10.0	0	0	0	0.00	80	14	1429	90	17	1327	7	10	00-06L	0	0	0
					06-12L	0	0	0							Altimeter			Total Obs Taken	Daily Pres Diff	Daily Temp Diff			06-12L	0	0	0
					12-18L	0	0	0							Max	Min	Avg						12-18L	0	0	0
					18-24L	0	0	0							29.32	29.29	29.30						18-24L	0	5	5
																		3	0.03	6.3						

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

Note 2: When inputing WX and Duration entries, be sure to precede each wx type by a "/", ie. /sn. Duration should be a whole number, not 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.

	Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8		Day 9		Day 10		Day 11		Day 12		Day 13		Day 14		Day 15	
12-15Z	80	16	110	9	340	10		0	70	10	110	5		0		0	60	11	90	5	30	9	50	6	50	5	340	11	320	6
15-18Z	130	14	90	7	340	13	330	8	60	7		0	30	7	90	8	70	11	90	10	30	12	40	7	100	4	330	8	330	7
18-21Z	140	10	170	17		0	330	10	70	5	80	5		3	60	10	90	13	40	16	80	11	60	7	60	5	330	8	330	8
21-24Z	140	13	160	19	30	8	330	11	60	13		3		0	80	15	50	8	60	14	100	11	40	9	40	6	310	8	320	9
00-03Z	30	7	130	15	100	6	320	6	60	11	50	10		0	110	10	120	5	50	13	110	11	50	11	30	5	320	10	310	12
03-06Z	160	13	130	9	90	8	300	6	70	11	50	12	100	6	50	10	50	11	60	11	30	11	30	10	30	8	320	11	310	8
06-09Z	160	12	50	8	90	9		0	50	8	20	4	40	6	110	11	60	7	50	15	50	9	30	10	30	7	320	9	300	9
09-12Z	180	13	260	3		3	60	9		3	290	5		0	60	13	70	9	50	9	40	8	50	7	340	9	330	8	310	7
X*u / X*v	15.76	2.778	8.457	-3.08	-3.42	9.397			9.397	3.42	4.698	-1.71					9.526	5.5	5	3E-16	4.5	7.794	4.596	3.857	3.83	3.214	-3.76	10.34	-3.86	4.596
X*u / X*v	10.72	-9	7	4E-16	-4.45	12.22	-4	6.928	6.062	3.5			3.5	6.062	8	5E-16	10.34	3.762	10	6E-16	6	10.39	4.5	5.362	3.939	-0.69	-4	6.928	-3.5	6.062
X*u / X*v	6.428	-7.66	2.952	-16.7			-5	8.66	4.698	1.71	4.924	0.868			8.66	5	13	8E-16	10.28	12.26	10.83	1.91	6.062	3.5	4.33	2.5	-4	6.928	-4	6.928
X*u / X*v	8.356	-9.96	6.498	-17.9	4	6.928	-5.5	9.526	11.26	6.5					14.77	2.605	6.128	5.142	12.12	7	10.83	-1.91	5.785	6.894	3.857	4.596	-6.13	5.142	-5.79	6.894
X*u / X*v	3.5	6.062	11.49	-9.64	5.909	-1.04	-3.86	4.596	9.526	5.5	7.66	6.428			9.397	-3.42	4.33	-2.5	9.959	8.356	10.34	-3.76	8.426	7.071	2.5	4.33	-6.43	7.66	-9.19	7.713
X*u / X*v	4.446	-12.2	6.894	-5.79	8	5E-16	-5.2	3	10.34	3.762	9.193	7.713	5.909	-1.04	7.66	6.428	8.426	7.071	9.526	5.5	5.5	9.526	5	8.66	4	6.928	-7.07	8.426	-6.13	5.142
X*u / X*v	4.104	-11.3	6.128	5.142	9	6E-16			6.128	5.142	1.368	3.759	3.857	4.596	10.34	-3.76	6.062	3.5	11.49	9.642	6.894	5.785	5	8.66	3.5	6.062	-5.79	6.894	-7.79	4.5
X*u / X*v	2E-15	-13	-2.95	-0.52			7.794	4.5			-4.7	1.71			11.26	6.5	8.457	3.078	6.894	5.785	5.142	6.128	5.362	4.5	-3.08	8.457	-4	6.928	-5.36	4.5
Sum u/Sum v	53.32	-54.3	46.47	-48.5	19.04	27.5	-15.8	37.21	57.41	29.53	23.15	18.77	13.27	9.617	70.08	13.35	66.27	25.55	75.28	48.54	60.04	35.86	44.73	48.5	22.88	35.39	-41.2	59.24	-45.6	46.34
Arctan	135.5		136.2		34.7		-23		62.78		50.96		54.06		79.22		68.91		57.19		59.15		42.68		32.88		-34.8		-44.6	
Direction	135.5		136.2		34.7		337		62.78		50.96		54.06		79.22		68.91		57.19		59.15		42.68		32.88		325.2		315.4	
Magnitude	12.25		11		7		6		9		6		3		10		9		12		6:00		8		6		9		8	

Avg Wind

		sin	cos
1	X*u / X*v	8.585	-8.738
2	X*u / X*v	7.525	-7.851
3	X*u / X*v	4.056	5.858
4	X*u / X*v	-2.437	5.755
5	X*u / X*v	7.558	3.889
6	X*u / X*v	4.272	3.464
7	X*u / X*v	2.227	1.614
8	X*u / X*v	9.455	1.801
9	X*u / X*v	8.747	3.373
10	X*u / X*v	9.770	6.300
11	X*u / X*v	8.800	5.256
12	X*u / X*v	5.678	6.157
13	X*u / X*v	3.325	5.144
14	X*u / X*v	-5.208	7.493
15	X*u / X*v	-5.788	5.879
16	X*u / X*v	-2.490	2.089
17	X*u / X*v	-3.270	2.079
18	X*u / X*v	0.696	5.078
19	X*u / X*v	12.437	3.784
20	X*u / X*v	1.555	4.223
21	X*u / X*v	9.694	3.329
22	X*u / X*v	6.201	4.218
23	X*u / X*v	3.163	-4.951
24	X*u / X*v	-3.488	4.344
25	X*u / X*v	7.841	-3.693
26	X*u / X*v	7.341	5.206
27	X*u / X*v	7.545	1.103
28	X*u / X*v	8.453	3.756
29	X*u / X*v	-3.539	6.532
30	X*u / X*v	5.566	4.246
31	X*u / X*v	5.267	3.516
	Sum u/Sum v	129.537	90.253
	Arctan	55.134	
	Direction	55.1	
	Magnitude	7.75	

Station: NZCM

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Month: ___ 2001

	Temp (C)			Visibility (hrs) < 1600					< 4800					< 9999					WX and Duration				Pcpn	Avg Wind		Max Wind		Max
Date	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	sn/sg/ic	fg/br	bs	Total	Amt	Spd	Dir	Spd	Dir	Gust
1	1.3	-6.0	-2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	136	25	160	37
2	-1.3	-5.4	-3.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	3.00	0.00	11	136	33	180	40
3	4.1	-3.2	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7	35	15	330	20
4	4.1	-1.6	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	337	14	340	17
5	1.3	-3.6	-1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	63	18	50	22
6	2.9	-2.4	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	51	13	50	17
7	6.0	-1.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	54	14	140	17
8	5.0	-3.6	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	79	17	50	26
9	3.0	-4.8	-0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	69	19	50	25
10	-0.1	-3.5	-1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	57	20	50	24
11	1.3	-2.8	-0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	59	20	130	27
12	1.7	-2.2	-0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	43	14	30	17
13	2.9	-2.4	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	33	12	50	14
14	2.0	-1.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	325	13	320	18
15	1.7	-1.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	315	14	310	20
16	5.4	-1.0	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	310	10	310	13
17	4.1	0.6	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4	302	9	310	11
18	3.4	-3.7	-0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	9.00	0.00	5	8	11	30	14
19	-3.7	-6.9	-5.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00	15.00	0.00	0.00	15.00	0.01	13	73	20	80	25
20	3.9	-5.0	-0.6	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	15.00	0.00	0.00	15.00	0.00	5	20	12	270	15
21	3.7	-5.9	-1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	71	21	80	26
22	-1.1	-7.0	-4.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	8.00	0.20	8	56	20	60	24
23	1.1	-4.8	-1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	147	12	100	15
24	4.3	-3.7	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	321	12	80	16
25	0.4	-7.3	-3.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	115	26	170	34
26	-0.6	-8.8	-4.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.50	0.00	0.00	13.50	0.00	9	55	18	30	21
27	-0.7	-4.7	-2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	0.00	0.00	3.00	3.00	6.00	11.00	0.00	0.00	11.00	0.00	8	82	13	50	17
28	-2.6	-4.6	-3.6	2.00	6.00	4.00	2.00	14.00	1.00	0.00	2.00	2.00	5.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.00	22.00	0.18	9	66	14	50	18
29	1.1	-3.6	-1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7	332	12	310	16
30	4.4	-4.9	-0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7	53	14	80	17
31	2.4	-3.9	-0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	56	14	80	17

Monthly Statistics

Temp (C)			Visibility (hrs) < 1600				< 4800				< 9999				WX and Duration				Pcpn	Avg Wind		Max Wind		Max
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	sn/sg/ic	fg/br	bs	Total	Total	Dir	Spd	Dir	Spd	Gust
6.0	-8.8	-1.0	2.0	6.0	4.0	2.0	2.0	0.0	3.0	6.0	1.0	0.0	3.0	6.0	96.5	0.0	0.0	96.5	0.39	55	8	180	33	40

Total Hrs =or< 1600:	14.0	Total Hrs =or< 4800:	11.0	Total Hrs < 9999:	10.0
Total Days =or< 1600:	1	Total Days =or< 4800:	4	Total Days < 9999:	3
% Hrs =or< 1600:	0.0	% Hrs =or< 4800:	0.0	% Hrs < 9999:	0.0
% Days =or< 1600:	0.0	% Days =or< 4800:	0.1	% Days < 9999:	0.1

Total Hrs	
sn/sg/ic:	96.5
fg/br:	0.0
fg:	0.0
Total Days	
sn/sg/ic:	8
fg/br:	0
fg:	0

N
NE
E
SE
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SW
W
NW

Station: NZCM

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Month: ___ 2001

Date	Avg Sky Cover	Low-est CIG	Ceiling (hrs) < 500 00-06L	06-12L	12-18L	18-24L	Total	< 1000 00-06L	06-12L	12-18L	18-24L	Total	< 3000 00-06L	06-12L	12-18L	18-24L	Total	Altimeter (in) Max	Min	Avg	Total Obs Taken	Daily Pres Diff	Daily Temp Diff	Min Wind Chill	Remarks
1	6	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.07	28.99	29.03	8	0.08	7.3	-24.0	
2	7	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.23	29.10	29.17	8	0.13	4.1	-20.0	
3	4	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.22	29.14	29.18	6	0.08	7.3	-14.0	
4	3	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.20	29.06	29.12	6	0.14	5.7	-10.0	
5	1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.28	29.09	29.18	7	0.19	4.9	-15.0	
6	1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.35	29.29	29.33	6	0.06	5.3	-9.0	
7	4	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.31	29.25	29.29	3	0.06	7.1	-3.0	
8	4	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.28	29.24	29.25	7	0.04	8.6	-15.0	
9	3	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.27	29.23	29.25	8	0.04	7.8	-15.0	
10	2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.38	29.27	29.32	8	0.11	3.4	-17.0	
11	1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.58	29.39	29.50	8	0.19	4.1	-12.0	
12	7	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.65	29.58	29.62	8	0.07	3.9	-11.0	
13	6	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.63	29.55	29.60	8	0.08	5.3	-10.0	
14	6	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.51	29.45	29.47	8	0.06	3.8	-13.0	
15	2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.52	29.47	29.49	8	0.05	2.8	-12.0	
16	2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.66	29.53	29.59	4	0.13	6.4	-10.0	
17	2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.72	29.67	29.70	3	0.05	3.5	-5.0	
18	6	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	6.00	0.00	0.00	11.00	29.81	29.72	29.75	5	0.09	7.1	-13.0	
19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	6.00	5.00	5.00	20.00	29.91	29.83	29.87	8	0.08	3.2	-24.0	
20	4	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	2.00	0.00	14.00	29.89	29.69	29.79	6	0.20	8.9	-13.0	
21	2	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.64	29.53	29.56	5	0.11	9.6	-23.0	
22	7	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	6.00	6.00	6.00	21.00	29.55	29.48	29.52	8	0.07	5.9	-23.0	
23	4	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	3.00	29.53	29.45	29.49	8	0.08	5.9	-15.0	
24	2	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.59	29.52	29.55	6	0.07	8.0	-16.0	
25	7	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	29.63	29.61	29.62	3	0.02	7.7	-20.0	
26	8	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	3.00	29.62	29.37	29.47	5	0.25	8.2	-21.0	
27	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	6.00	10.00	29.38	29.36	29.37	8	0.02	4.0	-14.0	
28	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	2.00	3.00	4.00	15.00	29.36	29.27	29.32	8	0.09	2.0	-15.0	
29	7	7	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	29.25	29.17	29.20	7	0.08	4.7	-9.0	
30	7	50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.28	29.16	29.21	6	0.12	9.3	-14.0	
31	7	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00	0.00	0.00	0.00	5.00	5.00	29.32	29.29	29.30	3	0.03	6.3	-12.0	

Monthly Statistics

Avg Sky Cover	Ceiling (hrs) < 500 00-06L	06-12L	12-18L	18-24L	< 1000 00-06L	06-12L	12-18L	18-24L	< 3000 00-06L	06-12L	12-18L	18-24L	Altimeter Max	Min	Avg	Total Obs Taken	Min Wind Chill
5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	5.0	30.0	26.0	20.0	28.0	29.91	28.99	29.42	200	-24.0

Total Hrs =or< 500:	0.0	Total Hrs =or< 1000:	6.0	Total Hrs =or< 3000:	104.0	Total Days
Total Days =or< 500:	0	Total Days =or< 1000:	2	Total Days =or< 3000:	10	31
% Hrs =or< 500:	0.0	% Hrs =or< 1000:	0.0	% Hrs =or< 3000:	0.1	
% Days =or< 500:	0.0	% Days =or< 1000:	0.1	% Days =or< 3000:	0.3	