

Salt Lake City
Weather Observations
2001

DATE	0900 LST
5-Jan-01	BKN006 OVC011
15-Jan-01	SCT025 SCT085 BKN200
25-Jan-01	SCT005 OVC010
5-Feb-01	FEW075 BKN220
15-Feb-01	BKN060 OVC220
25-Feb-01	OVC065
5-Mar-01	BKN100 OVC150
15-Mar-01	SCT250
25-Mar-01	SCT110 OVC180
5-Apr-01	SCT034 BKN044 OVC075
15-Apr-01	CLR
25-Apr-01	CLR
5-May-01	FEW140 SCT250
15-May-01	BKN090
25-May-01	SCT150 BKN250
5-Jun-01	SCT120 OVC220
15-Jun-01	CLR
25-Jun-01	SCT130 BKN220
5-Jul-01	FEW100 SCT130 BKN250
15-Jul-01	BKN110 BKN180
25-Jul-01	FEW110
5-Aug-01	FEW250
15-Aug-01	FEW055 SCT090 SCT120 BKN220
25-Aug-01	CLR
5-Sep-01	BKN110 BKN150
15-Sep-01	CLR
25-Sep-01	FEW130 BKN200
5-Oct-01	CLR
15-Oct-01	FEW250
25-Oct-01	FEW200 BKN250
5-Nov-01	BKN100 BKN120 BKN200
15-Nov-01	SCT200
25-Nov-01	BKN004 OVC013
5-Dec-01	FEW060 SCT070 BKN250
15-Dec-01	FEW011 SCT027 OVC036
25-Dec-01	BKN005 OVC007

1500 LST
OVC007
FEW045 SCT065 BKN120 BKN200
FEW020 BKN038 BKN050 OVC250
FEW095 SCT200
FEW060 SCT250
FEW047 BKN055 BKN070 BKN150
BKN095 BKN110 OVC140
FEW090 SCT180 OVC250
SCT080 SCT110 BKN200
BKN032 BKN041 OVC100
FEW050 SCT200
FEW080
FEW070 SCT150 OVC250
BKN100 BKN150 OVC250
FEW090 SCT250
BKN150 BKN220
FEW085 SCT250
FEW120 BKN180 BKN220
FEW100 SCT180 OVC250
SCT090 BKN120 BKN180
SCT110 SCT180 BKN250
CLR
FEW130
CLR
BKN110 BKN150
FEW090
FEW120 BKN250
FEW250
BKN250
FEW200 BKN250
SCT049 BKN065 BKN090 BKN150
FEW250
FEW004 OVC029
FEW015 SCT045 OVC065
FEW024 SCT038 OVC045
FEW008

2100 LST
OVC002
FEW070 SCT120
FEW055 SCT100 SCT150
CLR
SCT250
SCT050 BKN150
SCT100 BKN200
OVC110
FEW090 SCT110 BKN200
FEW055 BKN080 OVC100
SCT250
SCT250
FEW250
FEW060 SCT110 BKN200
FEW090 SCT180 BKN250
FEW130 SCT250
FEW250
SCT120 BKN200
BKN110 BKN180 OVC250
SCT090 SCT120
SCT110 BKN250
FEW200
FEW180 SCT250
CLR
BKN075CB OVC095
FEW090 SCT180 SCT250
FEW100
FEW250
FEW130 BKN250
FEW250
OVC110
SCT250
FEW040 SCT050 BKN070 OVC200
BKN060 OVC075
VV001
SCT017

Template - Aug-028

July-02

NUCLEAR REGULATORY COMMISSION

Docket No. 72-22 Official Ex. No. PFS 245
In the matter of PFS
Staff _____ IDENTIFIED
Applicant RECEIVED
Intervenor _____ REJECTED _____
Cont'g Off'r _____
Contractor _____ DATE 7-1-02
Other _____ Witness Vigilant
Reporter R. Davis

DOCKETED
USNRC

2003 JAN 24 AM 11:09

OFFICE OF THE SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

Salt Lake City
Weather Observations
2001

Notes:

1. This table is intended to demonstrate cloud layering at Salt Lake City. Similar data for Michael Army Airfield was not available.
2. Historically, the ceiling and visibility at MAAF are better than at Salt Lake City. Refer to the PFS July 20, 2001 Revised Addendum Tab FF pp. 30-32 for the most detailed and accurate data on ceiling and visibility at Michael Army Airfield.
3. Cloud coverage is cumulative from the surface up. Therefore, % cloud cover stays the same or increases with altitude.
4. CLR (Sky Clear)...no clouds present
5. FEW...cloud coverage $\leq 2/8$ s
6. SCT...cloud coverage 3/8-4/8s
7. BKN (Broken)...cloud coverage 5/8-7/8s
7. OVC (Overcast)...8/8s cloud coverage
8. V V (Vertical Visibility)...associated with fog, the 2100 LST observation on 15 Dec is Vertical Visibility of 100'
9. 0900, 1500, 2100 LST (Local Standard Time) were selected since they represent times when the Hill AFB F-16s could reasonably be expected to be flying.

Salt Lake City
Cloud Cover Analysis
2001

Criteria	Observations	%
Total	108	100%
Clear Sky	10	9%
No Clouds \leq 5,000' AGL	85	79%
No Clouds \leq 14,000' AGL	31	29%

Cloud Layers over Salt Lake City 2001

Cloud Cover	\leq 5,000 AGL		$>$ 5,000 & \leq 14,000			
	Observations	%	Observations	%		
FEW	4	4%	21	19%	FEW	\leq 2/8 cloud cover
SCT	6	6%	18	17%	SCT	Scattered 3/8-4/8 cloud cover
BKN	3	3%	14	13%	BKN	Broken 5/8-7/8 cloud cover
OVC	10	9%	11	10%	OVC	Overcast 8/8 cloud cover
Total	23	21%	64	59%		

- Notes: 1. This table is intended to demonstrate typical cloud layering at Salt Lake City. Similar data for Michael Army Airfield was not available. Historically, the ceiling and visibility at MAAF are better than at Salt Lake City.
2. This table reflects the presence of clouds in either or both altitude bands. However, cloud cover is only counted once per altitude band. Ex. The 5 Jan 0900 LST is counted as OVC \leq 5,000'. The most extensive cloud cover per band is used.
3. In some observations there were clouds in both bands. Ex. 15 Jan 01 is counted as SCT in both.