[redacted]

[redacted]

[redacted]

[redacted]

Appendix A – Requirements Matrix

The general system requirements are delineated in Table 1 below and are geographically limited to the pilot test area.

Rqmt. #	Requirement
[redacted]	

[redacted]

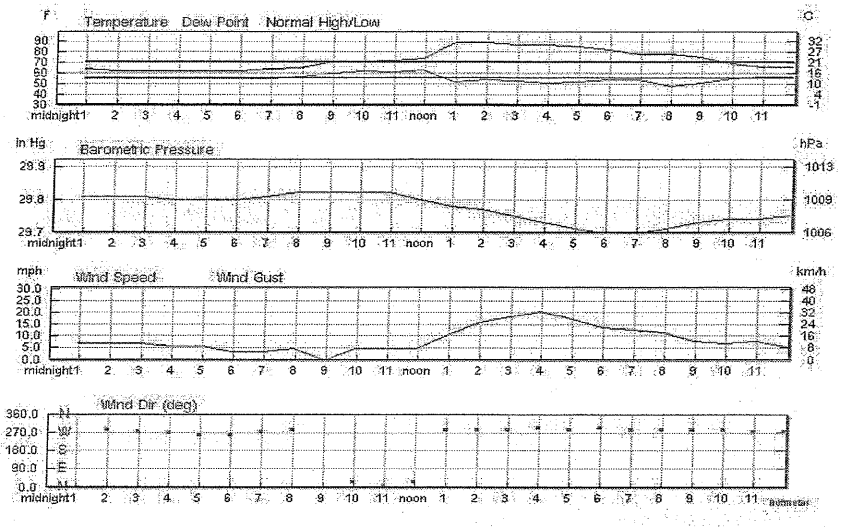
Appendix B – SFO Weather Conditions

The following is a listing of weather conditions for the San Francisco International Airport area during the days/nights of scenario testing.

History for San Francisco, CA
on Thursday, August 28, 2008

Daily Summary			
	Actual	Average	Record
Temperature			
Mean Temperature	-	64 °F / 17 °C	
Max Temperature	90 °F / 32 °C	72 °F / 22 °C	90 °F / 32 °C (2004)
Min Temperature	62 °F / 16 °C	56 °F / 13 °C	49 °F / 9 °C (1952)
Degree Days			
Heating Degree Days	0	2	
Month to date heating degree days	48	50	
Since 1 July heating degree days	137	127	
Cooling Degree Days	11	1	
Month to date cooling degree days	33	23	
Year to date cooling degree days	147	81	
Growing Degree Days	26 (Base -)		
Moisture			
Dew Point	58 °F / 14 °C		
Average Humidity	53		
Maximum Humidity	78		
Minimum Humidity	27		
Precipitation			
Precipitation	0.00 in / 0.00 cm	0.01 in / 0.03 cm	0.00 in / 0.00 cm (2007)
Month to date precipitation	0.01	0.04	
Year to date precipitation	10.20	13.46	
Since 1 July precipitation	0.01	0.07	
Wind			
Wind Speed	9 mph / 14 km/h ()		
Max Wind Speed	22 mph / 35 km/h		
Max Gust Speed	25 mph / 40 km/h		
Visibility	10 miles / 16 kilometers		
Events			

Key: T is trace of precipitation, MM is missing value
Source: NWS Daily Summary



Time(PDT)	Temperature	Dew Point	Humidity	Pressure	Visibility	Wind Direction	Wind Speed	Precipitation	Conditions
12:56 AM	64.0 °F / 17.8 °C	55.0 °F / 12.8 °C	73%	29.81 in / 1009.3 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear
1:56 AM	62.1 °F / 16.7 °C	55.9 °F / 13.3 °C	80%	29.81 in / 1009.4 hPa	10.0 miles / 16.1 kilometers	WNW	6.9 mph / 11.1 km/h	N/A	Clear
2:56 AM	62.1 °F / 16.7 °C	55.9 °F / 13.3 °C	80%	29.81 in / 1009.3 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear
3:56 AM	62.1 °F / 16.7 °C	55.9 °F / 13.3 °C	80%	29.80 in / 1009.0 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
4:56 AM	62.1 °F / 16.7 °C	55.9 °F / 13.3 °C	80%	29.80 in / 1009.1 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
5:56 AM	62.1 °F / 16.7 °C	55.0 °F / 12.8 °C	78%	29.80 in / 1009.1 hPa	10.0 miles / 16.1 kilometers	West	3.5 mph / 5.6 km/h	N/A	Clear
6:56 AM	64.0 °F / 17.8 °C	55.9 °F / 13.3 °C	75%	29.81 in / 1009.4 hPa	10.0 miles / 16.1 kilometers	West	3.5 mph / 5.6 km/h	N/A	Partly Cloudy
7:56 AM	66.0 °F / 18.9 °C	57.0 °F / 13.9 °C	73%	29.82 in / 1009.8 hPa	10.0 miles / 16.1 kilometers	WNW	4.6 mph / 7.4 km/h	N/A	Partly Cloudy
8:56 AM	71.1 °F /	60.1 °F	68%	29.82 in /	10.0 miles /	Calm	Calm	N/A	Clear

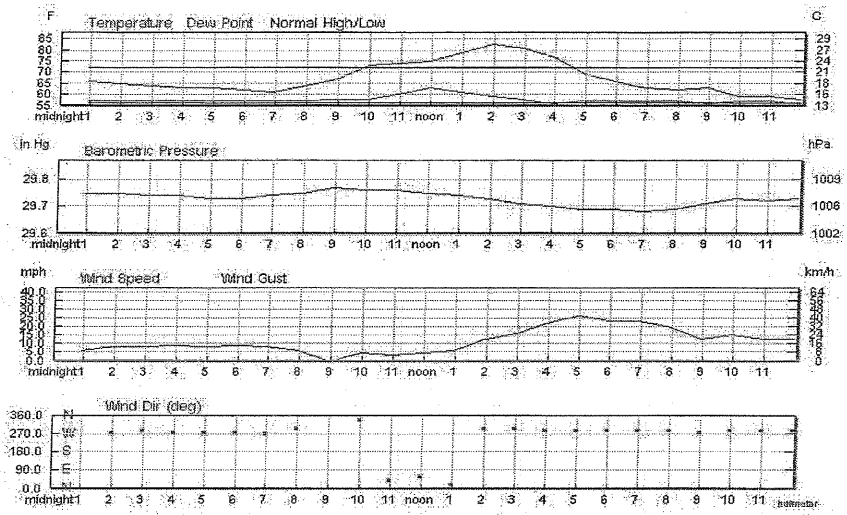
	21.7 °C	/ 15.6 °C		1009.6 hPa	16.1 kilometers				
9:56 AM	72.0 °F / 22.2 °C	62.1 °F / 16.7 °C	71%	29.82 in / 1009.6 hPa	10.0 miles / 16.1 kilometers	NNE	4.6 mph / 7.4 km/h	N/A	Clear
10:56 AM	73.0 °F / 22.8 °C	61.0 °F / 16.1 °C	66%	29.82 in / 1009.6 hPa	10.0 miles / 16.1 kilometers	North	4.6 mph / 7.4 km/h	N/A	Clear
11:56 AM	75.0 °F / 23.9 °C	63.0 °F / 17.2 °C	66%	29.80 in / 1009.1 hPa	10.0 miles / 16.1 kilometers	NNE	4.6 mph / 7.4 km/h	N/A	Clear
12:56 PM	89.1 °F / 31.7 °C	52.0 °F / 11.1 °C	28%	29.78 in / 1008.5 hPa	10.0 miles / 16.1 kilometers	WNW	10.4 mph / 16.7 km/h	N/A	Clear
1:56 PM	89.1 °F / 31.7 °C	54.0 °F / 12.2 °C	30%	29.77 in / 1007.9 hPa	10.0 miles / 16.1 kilometers	WNW	16.1 mph / 25.9 km/h	N/A	Clear
2:56 PM	87.1 °F / 30.6 °C	53.1 °F / 11.7 °C	31%	29.75 in / 1007.5 hPa	10.0 miles / 16.1 kilometers	WNW	18.4 mph / 29.6 km/h	N/A	Clear
3:56 PM	87.1 °F / 30.6 °C	51.1 °F / 10.6 °C	29%	29.73 in / 1006.6 hPa	10.0 miles / 16.1 kilometers	WNW	20.7 mph / 33.3 km/h	N/A	Clear
4:56 PM	86.0 °F / 30.0 °C	52.0 °F / 11.1 °C	31%	29.71 in / 1006.0 hPa	10.0 miles / 16.1 kilometers	WNW	17.3 mph / 27.8 km/h	N/A	Clear
5:56 PM	82.9 °F / 28.3 °C	54.0 °F / 12.2 °C	37%	29.70 in / 1005.8 hPa	10.0 miles / 16.1 kilometers	WNW	13.8 mph / 22.2 km/h	N/A	Clear
6:56 PM	78.1 °F / 25.6 °C	54.0 °F / 12.2 °C	43%	29.70 in / 1005.6 hPa	10.0 miles / 16.1 kilometers	WNW	12.7 mph / 20.4 km/h	N/A	Clear
7:56 PM	78.1 °F / 25.6 °C	48.9 °F / 9.4 °C	36%	29.71 in / 1005.9 hPa	10.0 miles / 16.1 kilometers	WNW	11.5 mph / 18.5 km/h	N/A	Clear
8:56 PM	75.9 °F / 24.4 °C	51.1 °F / 10.6 °C	42%	29.73 in / 1006.5 hPa	10.0 miles / 16.1 kilometers	WNW	8.1 mph / 13.0 km/h	N/A	Clear
9:56 PM	69.1 °F / 20.6 °C	55.9 °F / 13.3 °C	63%	29.74 in / 1006.9 hPa	10.0 miles / 16.1 kilometers	WNW	6.9 mph / 11.1 km/h	N/A	Clear
10:56 PM	66.9 °F / 19.4 °C	57.0 °F / 13.9 °C	70%	29.74 in / 1006.9 hPa	10.0 miles / 16.1 kilometers	West	8.1 mph / 13.0 km/h	N/A	Clear
11:56 PM	66.9 °F / 19.4 °C	57.0 °F / 13.9 °C	70%	29.75 in / 1007.2 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear

History for San Francisco, CA
on Friday, August 29, 2008

Daily Summary			
	Actual	Average	Record
Temperature			
Mean Temperature	-	64 °F / 17 °C	
Max Temperature	85 °F / 29 °C	72 °F / 22 °C	98 °F / 36 °C (1968)
Min Temperature	58 °F / 14 °C	56 °F / 13 °C	49 °F / 9 °C (1955)
Degree Days			
Heating Degree Days	0	2	
Month to date heating degree days	48	52	
Since 1 July heating degree days	137	129	
Cooling Degree Days	7	1	
Month to date cooling degree days	40	24	
Year to date cooling degree days	154	82	
Growing Degree Days	20 (Base -)		
Moisture			
Dew Point	58 °F / 14 °C		
Average Humidity	69		
Maximum Humidity	93		
Minimum Humidity	45		
Precipitation			
Precipitation	0.00 in / 0.00 cm	0.01 in / 0.03 cm	0.14 in / 0.36 cm (1992)
Month to date precipitation	0.01	0.05	
Year to date precipitation	10.20	13.47	
Since 1 July precipitation	0.01	0.08	
Wind			
Wind Speed	12 mph / 19 km/h ()		
Max Wind Speed	29 mph / 47 km/h		
Max Gust Speed	33 mph / 53 km/h		
Visibility	10 miles / 16 kilometers		
Events			

Key: T is trace of precipitation, MM is missing value

Source: NWS Daily Summary



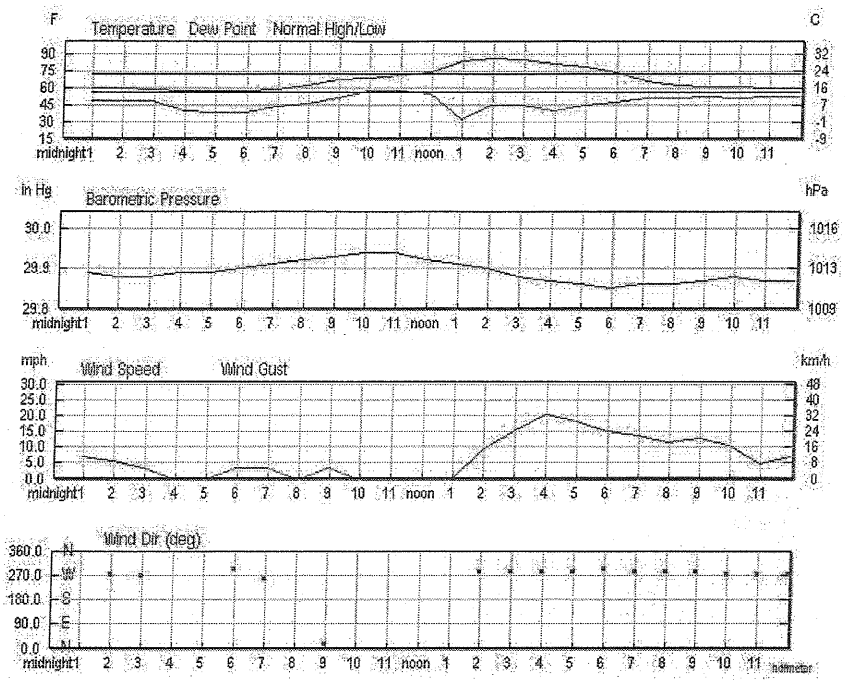
Time(PDT)	Temperature	Dew Point	Humidity	Pressure	Visibility	Wind Direction	Wind Speed	Precipitation	Conditions
12:56 AM	66.0 °F / 18.9 °C	57.0 °F / 13.9 °C	73%	29.75 in / 1007.4 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
1:56 AM	64.9 °F / 18.3 °C	57.0 °F / 13.9 °C	75%	29.75 in / 1007.3 hPa	10.0 miles / 16.1 kilometers	West	8.1 mph / 13.0 km/h	N/A	Clear
2:56 AM	64.0 °F / 17.8 °C	57.0 °F / 13.9 °C	78%	29.74 in / 1006.9 hPa	10.0 miles / 16.1 kilometers	WNW	8.1 mph / 13.0 km/h	N/A	Clear
3:56 AM	63.0 °F / 17.2 °C	57.0 °F / 13.9 °C	81%	29.74 in / 1006.9 hPa	10.0 miles / 16.1 kilometers	West	9.2 mph / 14.8 km/h	N/A	Partly Cloudy
4:56 AM	63.0 °F / 17.2 °C	57.0 °F / 13.9 °C	81%	29.73 in / 1006.7 hPa	10.0 miles / 16.1 kilometers	West	8.1 mph / 13.0 km/h	N/A	Partly Cloudy
5:56 AM	62.1 °F / 16.7 °C	57.0 °F / 13.9 °C	84%	29.73 in / 1006.8 hPa	10.0 miles / 16.1 kilometers	West	9.2 mph / 14.8 km/h	N/A	Partly Cloudy
6:56 AM	61.0 °F / 16.1 °C	57.0 °F / 13.9 °C	87%	29.74 in / 1007.0 hPa	10.0 miles / 16.1 kilometers	West	8.1 mph / 13.0 km/h	N/A	Mostly Cloudy
7:56 AM	64.0 °F / 17.8 °C	57.0 °F / 13.9 °C	78%	29.75 in / 1007.5 hPa	10.0 miles / 16.1 kilometers	WNW	5.8 mph / 9.3 km/h	N/A	Mostly Cloudy
8:56 AM	66.9 °F /	57.9 °F	73%	29.77 in /	10.0 miles /	Calm	Calm	N/A	Mostly

	19.4 °C	/ 14.4 °C		1007.9 hPa	16.1 kilometers				Cloudy
9:56 AM	73.0 °F / 22.8 °C	57.9 °F / 14.4 °C	59%	29.76 in / 1007.8 hPa	10.0 miles / 16.1 kilometers	NNW	4.6 mph / 7.4 km/h	N/A	Mostly Cloudy
10:56 AM	73.9 °F / 23.3 °C	60.1 °F / 15.6 °C	62%	29.76 in / 1007.8 hPa	10.0 miles / 16.1 kilometers	NE	3.5 mph / 5.6 km/h	N/A	Partly Cloudy
11:56 AM	75.0 °F / 23.9 °C	63.0 °F / 17.2 °C	66%	29.75 in / 1007.4 hPa	10.0 miles / 16.1 kilometers	ENE	4.6 mph / 7.4 km/h	N/A	Scattered Clouds
12:56 PM	79.0 °F / 26.1 °C	61.0 °F / 16.1 °C	54%	29.74 in / 1007.0 hPa	10.0 miles / 16.1 kilometers	NNE	5.8 mph / 9.3 km/h	N/A	Scattered Clouds
1:56 PM	82.9 °F / 28.3 °C	59.0 °F / 15.0 °C	44%	29.73 in / 1006.5 hPa	10.0 miles / 16.1 kilometers	WNW	12.7 mph / 20.4 km/h	N/A	Scattered Clouds
2:56 PM	81.0 °F / 27.2 °C	57.9 °F / 14.4 °C	45%	29.71 in / 1006.1 hPa	10.0 miles / 16.1 kilometers	WNW	16.1 mph / 25.9 km/h	N/A	Scattered Clouds
3:56 PM	77.0 °F / 25.0 °C	55.9 °F / 13.3 °C	48%	29.70 in / 1005.5 hPa	10.0 miles / 16.1 kilometers	WNW	21.9 mph / 35.2 km/h	N/A	Scattered Clouds
4:56 PM	69.1 °F / 20.6 °C	57.0 °F / 13.9 °C	65%	29.69 in / 1005.3 hPa	10.0 miles / 16.1 kilometers	WNW	26.5 mph / 42.6 km/h	N/A	Scattered Clouds
5:56 PM	66.0 °F / 18.9 °C	57.0 °F / 13.9 °C	73%	29.69 in / 1005.3 hPa	10.0 miles / 16.1 kilometers	WNW	23.0 mph / 37.0 km/h	N/A	Scattered Clouds
6:56 PM	63.0 °F / 17.2 °C	57.0 °F / 13.9 °C	81%	29.68 in / 1005.0 hPa	10.0 miles / 16.1 kilometers	WNW	23.0 mph / 37.0 km/h	N/A	Scattered Clouds
7:56 PM	62.1 °F / 16.7 °C	57.0 °F / 13.9 °C	84%	29.69 in / 1005.3 hPa	10.0 miles / 16.1 kilometers	WNW	19.6 mph / 31.5 km/h	N/A	Scattered Clouds
8:56 PM	63.0 °F / 17.2 °C	55.9 °F / 13.3 °C	78%	29.71 in / 1006.1 hPa	10.0 miles / 16.1 kilometers	West	12.7 mph / 20.4 km/h	N/A	Partly Cloudy
9:56 PM	59.0 °F / 15.0 °C	57.0 °F / 13.9 °C	93%	29.73 in / 1006.6 hPa	10.0 miles / 16.1 kilometers	WNW	15.0 mph / 24.1 km/h	N/A	Partly Cloudy
10:56 PM	59.0 °F / 15.0 °C	57.0 °F / 13.9 °C	93%	29.72 in / 1006.4 hPa	10.0 miles / 16.1 kilometers	WNW	12.7 mph / 20.4 km/h	N/A	Partly Cloudy
11:56 PM	57.9 °F / 14.4 °C	55.9 °F / 13.3 °C	93%	29.73 in / 1006.5 hPa	10.0 miles / 16.1 kilometers	WNW	12.7 mph / 20.4 km/h	N/A	Partly Cloudy

History for San Francisco, CA
on Tuesday, September 2, 2008

Daily Summary			
	Actual	Average	Record
Temperature			
Mean Temperature	-	64 °F / 17 °C	
Max Temperature	86 °F / 30 °C	72 °F / 22 °C	93 °F / 33 °C (1950)
Min Temperature	57 °F / 13 °C	56 °F / 13 °C	49 °F / 9 °C (1946)
Degree Days			
Heating Degree Days	0	2	
Month to date heating degree days	0	4	
Since 1 July heating degree days	141	137	
Cooling Degree Days	7	1	
Month to date cooling degree days	11	2	
Year to date cooling degree days	165	86	
Growing Degree Days	22 (Base -)		
Moisture			
Dew Point	47 °F / 8 °C		
Average Humidity	44		
Maximum Humidity	72		
Minimum Humidity	15		
Precipitation			
Precipitation	0.00 in / 0.00 cm	0.00 in / 0.00 cm	0.00 in / 0.00 cm (2007)
Month to date precipitation	0.00	0.00	
Year to date precipitation	10.20	13.49	
Since 1 July precipitation	0.01	0.10	
Wind			
Wind Speed	7 mph / 11 km/h ()		
Max Wind Speed	23 mph / 37 km/h		
Max Gust Speed	26 mph / 42 km/h		
Visibility	10 miles / 16 kilometers		
Events			

Key: T is trace of precipitation, MM is missing value
Source: NWS Daily Summary



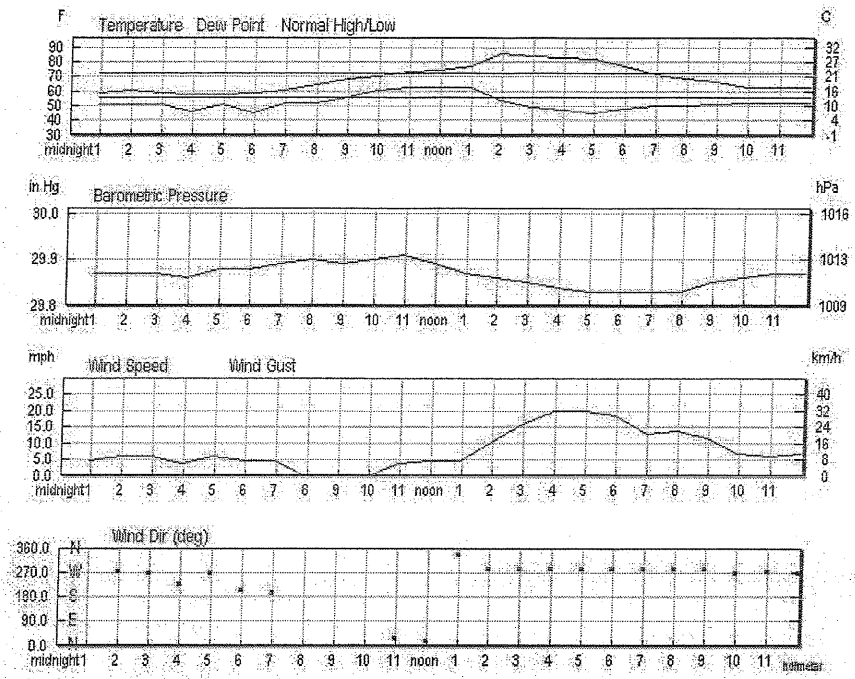
Time(PDT)	Temperature	Dew Point	Humidity	Pressure	Visibility	Wind Direction	Wind Speed	Precipitation	Conditions
12:56 AM	60.1 °F / 15.6 °C	48.9 °F / 9.4 °C	67%	29.89 in / 1012.0 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear
1:56 AM	60.1 °F / 15.6 °C	48.9 °F / 9.4 °C	67%	29.88 in / 1011.9 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
2:56 AM	59.0 °F / 15.0 °C	48.9 °F / 9.4 °C	69%	29.88 in / 1011.9 hPa	10.0 miles / 16.1 kilometers	West	3.5 mph / 5.6 km/h	N/A	Clear
3:56 AM	57.9 °F / 14.4 °C	39.9 °F / 4.4 °C	51%	29.89 in / 1012.0 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
4:56 AM	57.0 °F / 13.9 °C	37.9 °F / 3.3 °C	49%	29.89 in / 1012.0 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
5:56 AM	57.0 °F / 13.9 °C	37.9 °F / 3.3 °C	49%	29.90 in / 1012.3 hPa	10.0 miles / 16.1 kilometers	WNW	3.5 mph / 5.6 km/h	N/A	Clear
6:56 AM	59.0 °F / 15.0 °C	43.0 °F / 6.1 °C	55%	29.91 in / 1012.7 hPa	10.0 miles / 16.1 kilometers	West	3.5 mph / 5.6 km/h	N/A	Clear
7:56 AM	63.0 °F / 17.2 °C	46.0 °F / 7.8 °C	54%	29.92 in / 1013.2 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
8:56 AM	68.0 °F / 20.0 °C	51.1 °F / 10.6 °C	55%	29.93 in / 1013.5 hPa	10.0 miles / 16.1 kilometers	NNE	3.5 mph / 5.6 km/h	N/A	Clear

9:56 AM	69.1 °F / 20.6 °C	57.0 °F / 13.9 °C	65%	29.94 in / 1013.6 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
10:56 AM	71.1 °F / 21.7 °C	57.9 °F / 14.4 °C	63%	29.94 in / 1013.8 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
11:56 AM	73.9 °F / 23.3 °C	55.0 °F / 12.8 °C	52%	29.92 in / 1013.2 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
12:56 PM	84.0 °F / 28.9 °C	32.0 °F / 0.0 °C	15%	29.91 in / 1012.6 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
1:56 PM	86.0 °F / 30.0 °C	44.1 °F / 6.7 °C	23%	29.90 in / 1012.4 hPa	10.0 miles / 16.1 kilometers	WNW	9.2 mph / 14.8 km/h	N/A	Clear
2:56 PM	84.9 °F / 29.4 °C	45.0 °F / 7.2 °C	25%	29.88 in / 1011.9 hPa	10.0 miles / 16.1 kilometers	WNW	15.0 mph / 24.1 km/h	N/A	Clear
3:56 PM	81.0 °F / 27.2 °C	39.9 °F / 4.4 °C	23%	29.87 in / 1011.3 hPa	10.0 miles / 16.1 kilometers	WNW	20.7 mph / 33.3 km/h	N/A	Clear
4:56 PM	79.0 °F / 26.1 °C	45.0 °F / 7.2 °C	30%	29.86 in / 1011.0 hPa	10.0 miles / 16.1 kilometers	WNW	18.4 mph / 29.6 km/h	N/A	Clear
5:56 PM	73.9 °F / 23.3 °C	46.9 °F / 8.3 °C	38%	29.85 in / 1010.7 hPa	10.0 miles / 16.1 kilometers	WNW	15.0 mph / 24.1 km/h	N/A	Clear
6:56 PM	66.0 °F / 18.9 °C	51.1 °F / 10.6 °C	59%	29.86 in / 1010.9 hPa	10.0 miles / 16.1 kilometers	WNW	13.8 mph / 22.2 km/h	N/A	Clear
7:56 PM	63.0 °F / 17.2 °C	51.1 °F / 10.6 °C	65%	29.86 in / 1011.0 hPa	10.0 miles / 16.1 kilometers	WNW	11.5 mph / 18.5 km/h	N/A	Clear
8:56 PM	61.0 °F / 16.1 °C	52.0 °F / 11.1 °C	72%	29.87 in / 1011.4 hPa	10.0 miles / 16.1 kilometers	WNW	12.7 mph / 20.4 km/h	N/A	Clear
9:56 PM	61.0 °F / 16.1 °C	51.1 °F / 10.6 °C	70%	29.88 in / 1011.7 hPa	10.0 miles / 16.1 kilometers	West	10.4 mph / 16.7 km/h	N/A	Clear
10:56 PM	60.1 °F / 15.6 °C	52.0 °F / 11.1 °C	75%	29.87 in / 1011.4 hPa	10.0 miles / 16.1 kilometers	West	4.6 mph / 7.4 km/h	N/A	Clear
11:56 PM	60.1 °F / 15.6 °C	52.0 °F / 11.1 °C	75%	29.87 in / 1011.5 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear

History for San Francisco, CA
on Wednesday, September 3, 2008

Daily Summary			
	Actual	Average	Record
Temperature			
Mean Temperature	-	64 °F / 17 °C	
Max Temperature	88 °F / 31 °C	72 °F / 22 °C	93 °F / 33 °C (1961)
Min Temperature	57 °F / 13 °C	56 °F / 13 °C	50 °F / 10 °C (1970)
Degree Days			
Heating Degree Days	0	2	
Month to date heating degree days	0	6	
Since 1 July heating degree days	141	139	
Cooling Degree Days	8	1	
Month to date cooling degree days	19	3	
Year to date cooling degree days	173	87	
Growing Degree Days	22 (Base -)		
Moisture			
Dew Point	53 °F / 11 °C		
Average Humidity	51		
Maximum Humidity	75		
Minimum Humidity	26		
Precipitation			
Precipitation	0.00 in / 0.00 cm	0.00 in / 0.00 cm	0.00 in / 0.00 cm (2007)
Month to date precipitation	0.00	0.00	
Year to date precipitation	10.20	13.49	
Since 1 July precipitation	0.01	0.10	
Wind			
Wind Speed	8 mph / 13 km/h ()		
Max Wind Speed	25 mph / 40 km/h		
Max Gust Speed	28 mph / 45 km/h		
Visibility	10 miles / 16 kilometers		
Events			

Key: T is trace of precipitation, MM is missing value
Source: NWS Daily Summary



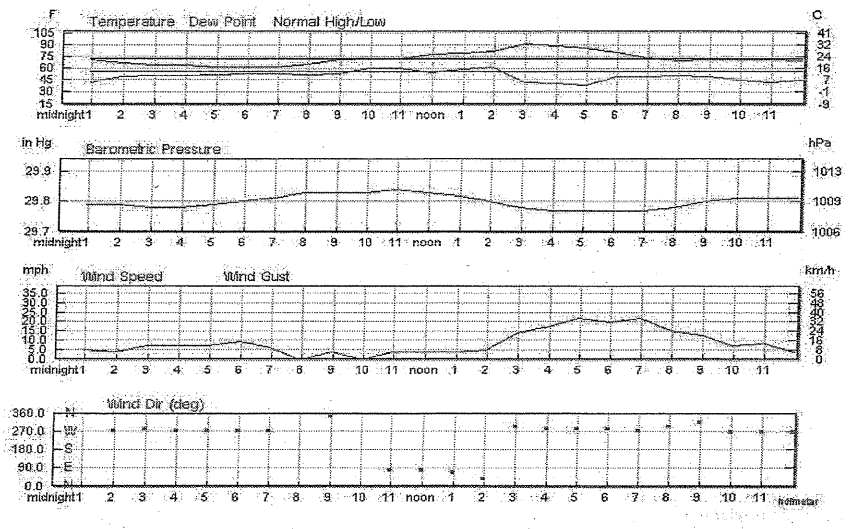
Time(PDT)	Temperature	Dew Point	Humidity	Pressure	Visibility	Wind Direction	Wind Speed	Precipitation	Conditions
12:56 AM	59.0 °F / 15.0 °C	51.1 °F / 10.6 °C	75%	29.87 in / 1011.4 hPa	10.0 miles / 16.1 kilometers	West	4.6 mph / 7.4 km/h	N/A	Clear
1:56 AM	60.1 °F / 15.6 °C	51.1 °F / 10.6 °C	72%	29.87 in / 1011.3 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
2:56 AM	59.0 °F / 15.0 °C	51.1 °F / 10.6 °C	75%	29.87 in / 1011.4 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
3:56 AM	57.9 °F / 14.4 °C	46.0 °F / 7.8 °C	65%	29.86 in / 1011.2 hPa	10.0 miles / 16.1 kilometers	SW	3.5 mph / 5.6 km/h	N/A	Clear
4:56 AM	57.9 °F / 14.4 °C	51.1 °F / 10.6 °C	78%	29.88 in / 1011.7 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
5:56 AM	59.0 °F / 15.0 °C	45.0 °F / 7.2 °C	60%	29.88 in / 1011.7 hPa	10.0 miles / 16.1 kilometers	SSW	4.6 mph / 7.4 km/h	N/A	Clear
6:56 AM	61.0 °F / 16.1 °C	52.0 °F / 11.1 °C	72%	29.89 in / 1012.2 hPa	10.0 miles / 16.1 kilometers	SSW	4.6 mph / 7.4 km/h	N/A	Clear
7:56 AM	64.9 °F / 18.3 °C	52.0 °F /	63%	29.90 in / 1012.4 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear

		11.1 °C							
8:56 AM	68.0 °F / 20.0 °C	55.9 °F / 13.3 °C	65%	29.89 in / 1012.2 hPa	9.0 miles / 14.5 kilometers	Calm	Calm	N/A	Clear
9:56 AM	70.0 °F / 21.1 °C	60.1 °F / 15.6 °C	71%	29.90 in / 1012.4 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
10:56 AM	73.0 °F / 22.8 °C	62.1 °F / 16.7 °C	68%	29.91 in / 1012.6 hPa	10.0 miles / 16.1 kilometers	NNE	3.5 mph / 5.6 km/h	N/A	Clear
11:56 AM	73.9 °F / 23.3 °C	62.1 °F / 16.7 °C	66%	29.89 in / 1012.1 hPa	10.0 miles / 16.1 kilometers	NNE	4.6 mph / 7.4 km/h	N/A	Clear
12:56 PM	77.0 °F / 25.0 °C	62.1 °F / 16.7 °C	60%	29.87 in / 1011.5 hPa	10.0 miles / 16.1 kilometers	NNW	4.6 mph / 7.4 km/h	N/A	Clear
1:56 PM	86.0 °F / 30.0 °C	54.0 °F / 12.2 °C	33%	29.86 in / 1011.1 hPa	10.0 miles / 16.1 kilometers	WNW	10.4 mph / 16.7 km/h	N/A	Clear
2:56 PM	84.0 °F / 28.9 °C	48.9 °F / 9.4 °C	29%	29.85 in / 1010.7 hPa	10.0 miles / 16.1 kilometers	WNW	16.1 mph / 25.9 km/h	N/A	Clear
3:56 PM	82.9 °F / 28.3 °C	46.9 °F / 8.3 °C	28%	29.84 in / 1010.3 hPa	10.0 miles / 16.1 kilometers	WNW	19.6 mph / 31.5 km/h	N/A	Clear
4:56 PM	82.0 °F / 27.8 °C	45.0 °F / 7.2 °C	27%	29.83 in / 1010.0 hPa	10.0 miles / 16.1 kilometers	WNW	19.6 mph / 31.5 km/h	N/A	Clear
5:56 PM	77.0 °F / 25.0 °C	48.0 °F / 8.9 °C	36%	29.83 in / 1010.0 hPa	10.0 miles / 16.1 kilometers	WNW	18.4 mph / 29.6 km/h	N/A	Clear
6:56 PM	71.6 °F / 22.0 °C	50.0 °F / 10.0 °C	46%	29.83 in / 1010.0 hPa	10.0 miles / 16.1 kilometers	WNW	12.7 mph / 20.4 km/h	N/A	Clear
7:56 PM	68.0 °F / 20.0 °C	50.0 °F / 10.0 °C	52%	29.83 in / 1010.0 hPa	10.0 miles / 16.1 kilometers	WNW	13.8 mph / 22.2 km/h	N/A	Clear
8:56 PM	66.0 °F / 18.9 °C	51.1 °F / 10.6 °C	59%	29.85 in / 1010.6 hPa	10.0 miles / 16.1 kilometers	WNW	11.5 mph / 18.5 km/h	N/A	Clear
9:56 PM	63.0 °F / 17.2 °C	52.0 °F / 11.1 °C	67%	29.86 in / 1011.2 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear
10:56 PM	62.1 °F / 16.7 °C	52.0 °F / 11.1 °C	70%	29.87 in / 1011.4 hPa	10.0 miles / 16.1 kilometers	West	5.8 mph / 9.3 km/h	N/A	Clear
11:56 PM	62.1 °F / 16.7 °C	52.0 °F /11.1 °C	70%	29.87 in / 1011.3 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear

History for San Francisco, CA
on Friday, September 5, 2008

Daily Summary			
	Actual	Average	Record
Temperature			
Mean Temperature	-	64 °F / 17 °C	
Max Temperature	93 °F / 33 °C	73 °F / 22 °C	94 °F / 34 °C (2004)
Min Temperature	61 °F / 16 °C	56 °F / 13 °C	45 °F / 7 °C (1954)
Degree Days			
Heating Degree Days	0	2	
Month to date heating degree days	0	10	
Since 1 July heating degree days	141	143	
Cooling Degree Days	12	1	
Month to date cooling degree days	42	5	
Year to date cooling degree days	196	89	
Growing Degree Days	26 (Base -)		
Moisture			
Dew Point	51 °F / 10 °C		
Average Humidity	48		
Maximum Humidity	78		
Minimum Humidity	18		
Precipitation			
Precipitation	0.00 in / 0.00 cm	0.00 in / 0.00 cm	0.03 in / 0.08 cm (1945)
Month to date precipitation	0.00	0.00	
Year to date precipitation	10.20	13.49	
Since 1 July precipitation	0.01	0.10	
Wind			
Wind Speed	9 mph / 14 km/h ()		
Max Wind Speed	24 mph / 39 km/h		
Max Gust Speed	29 mph / 47 km/h		
Visibility	10 miles / 16 kilometers		
Events			

Key: T is trace of precipitation, MM is missing value
Source: NWS Daily Summary



Time(PDT)	Temperature	Dew Point	Humidity	Pressure	Visibility	Wind Direction	Wind Speed	Precipitation	Conditions
12:56 AM	71.1 °F / 21.7 °C	42.1 °F / 5.6 °C	35%	29.79 in / 1008.8 hPa	10.0 miles / 16.1 kilometers	West	4.6 mph / 7.4 km/h	N/A	Clear
1:56 AM	66.9 °F / 19.4 °C	48.9 °F / 9.4 °C	52%	29.79 in / 1008.7 hPa	10.0 miles / 16.1 kilometers	West	3.5 mph / 5.6 km/h	N/A	Clear
2:56 AM	64.9 °F / 18.3 °C	51.1 °F / 10.6 °C	61%	29.78 in / 1008.5 hPa	10.0 miles / 16.1 kilometers	WNW	6.9 mph / 11.1 km/h	N/A	Clear
3:56 AM	64.0 °F / 17.8 °C	51.1 °F / 10.6 °C	63%	29.78 in / 1008.4 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear
4:56 AM	62.1 °F / 16.7 °C	52.0 °F / 11.1 °C	70%	29.79 in / 1008.6 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear
5:56 AM	61.0 °F / 16.1 °C	53.1 °F / 11.7 °C	75%	29.80 in / 1008.9 hPa	10.0 miles / 16.1 kilometers	West	9.2 mph / 14.8 km/h	N/A	Clear
6:56 AM	62.1 °F / 16.7 °C	53.1 °F / 11.7 °C	72%	29.81 in / 1009.4 hPa	9.0 miles / 14.5 kilometers	West	5.8 mph / 9.3 km/h	N/A	Partly Cloudy
7:56 AM	66.0 °F / 18.9 °C	52.0 °F / 11.1 °C	60%	29.83 in / 1009.9 hPa	10.0 miles / 16.1 kilometers	Calm	Calm	N/A	Clear
8:56 AM	71.1 °F / 21.7 °C	53.1 °F / 11.7 °C	53%	29.83 in / 1010.0 hPa	10.0 miles / 16.1 kilometers	North	3.5 mph / 5.6 km/h	N/A	Clear
9:56 AM	72.0 °F /	60.1 °F	66%	29.83 in /	10.0 miles /	Calm	Calm	N/A	Clear

	22.2 °C	/ 15.6 °C		1010.2 hPa	16.1 kilometers				
10:56 AM	73.0 °F / 22.8 °C	60.1 °F / 15.6 °C	64%	29.84 in / 1010.5 hPa	10.0 miles / 16.1 kilometers	East	3.5 mph / 5.6 km/h	N/A	Clear
11:56 AM	78.1 °F / 25.6 °C	55.0 °F / 12.8 °C	45%	29.83 in / 1010.1 hPa	10.0 miles / 16.1 kilometers	East	3.5 mph / 5.6 km/h	N/A	Clear
12:56 PM	79.0 °F / 26.1 °C	59.0 °F / 15.0 °C	50%	29.82 in / 1009.7 hPa	10.0 miles / 16.1 kilometers	ENE	3.5 mph / 5.6 km/h	N/A	Clear
1:56 PM	82.0 °F / 27.8 °C	61.0 °F / 16.1 °C	49%	29.80 in / 1009.0 hPa	10.0 miles / 16.1 kilometers	NE	4.6 mph / 7.4 km/h	N/A	Clear
2:56 PM	91.9 °F / 33.3 °C	43.0 °F / 6.1 °C	18%	29.78 in / 1008.4 hPa	10.0 miles / 16.1 kilometers	WNW	13.8 mph / 22.2 km/h	N/A	Clear
3:56 PM	89.1 °F / 31.7 °C	41.0 °F / 5.0 °C	19%	29.77 in / 1007.9 hPa	10.0 miles / 16.1 kilometers	WNW	17.3 mph / 27.8 km/h	N/A	Clear
4:56 PM	86.0 °F / 30.0 °C	39.0 °F / 3.9 °C	19%	29.77 in / 1008.0 hPa	10.0 miles / 16.1 kilometers	WNW	21.9 mph / 35.2 km/h	N/A	Clear
5:56 PM	80.1 °F / 26.7 °C	48.9 °F / 9.4 °C	34%	29.77 in / 1008.0 hPa	10.0 miles / 16.1 kilometers	WNW	19.6 mph / 31.5 km/h	N/A	Clear
6:56 PM	73.9 °F / 23.3 °C	50.0 °F / 10.0 °C	43%	29.77 in / 1008.0 hPa	10.0 miles / 16.1 kilometers	West	21.9 mph / 35.2 km/h	N/A	Clear
7:56 PM	70.0 °F / 21.1 °C	51.1 °F / 10.6 °C	51%	29.78 in / 1008.3 hPa	10.0 miles / 16.1 kilometers	WNW	15.0 mph / 24.1 km/h	N/A	Clear
8:56 PM	71.1 °F / 21.7 °C	50.0 °F / 10.0 °C	47%	29.80 in / 1008.9 hPa	10.0 miles / 16.1 kilometers	NW	12.7 mph / 20.4 km/h	N/A	Clear
9:56 PM	71.1 °F / 21.7 °C	46.0 °F / 7.8 °C	41%	29.81 in / 1009.2 hPa	10.0 miles / 16.1 kilometers	West	6.9 mph / 11.1 km/h	N/A	Clear
10:56 PM	71.1 °F / 21.7 °C	43.0 °F / 6.1 °C	36%	29.81 in / 1009.3 hPa	10.0 miles / 16.1 kilometers	West	8.1 mph / 13.0 km/h	N/A	Clear
11:56 PM	69.1 °F / 20.6 °C	45.0 °F / 7.2 °C	42%	29.81 in / 1009.3 hPa	10.0 miles / 16.1 kilometers	West	3.5 mph / 5.6 km/h	N/A	Clear

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Appendix D – Detailed Test Notes

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