

Data Report - Level 1.0 Validation



PCR

PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Carbon Monoxide (CO)

Units: Parts per Million (PPM)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CA	0	0	0	0	0.0	0.0	0.0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4	0.3
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.8	0.7
11	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	1.5	1.2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8	2.0	1.7
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	ZS	2	2	2	2	2.0	2.2	1.9
14	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	3	2	2	2.4	2.6	2.2
15	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8	3.0	2.6
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0	3.2	2.9
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.3	3.4	3.3
18	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.6	3.8	3.6
19	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4.0	4.2	3.9
20	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	ZS	ZS	3	3	3	3	3.4	3.6	3.3
21	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8	2.9	2.7
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.2	2.3	2.1
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.7	1.8	1.6
24	1	1	1	1	1	1	1	1	1	1	ZS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	1.4	1.2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1	0.8
26	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0.5	0.6	0.4
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	0.0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CA	0	0	0	0	0.0	0.0	0.0
29	0	0	0	0	0	0	0	0	0	0	CA	CA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Average	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
Maximum	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.2	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	4.0	4.0	4.0	3.9	3.9	3.9			
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Quality Control Codes

- Auto Zero/Span Check AS
- Calibration CA
- Invalid Hour IH
- Instrument Malfunction IM
- Maintenance MN
- Channel Off Line OL
- Out of Range OR
- Rate of Change RC
- Replace Instrument RP
- Shelter Temperature Range Exceedance ST
- Instrument Warm Up WU

Data Report - Level 1.0 Validation



PCR

PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Oxides of Nitrogen (NOx)

Units: Parts per Billion (PPB)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	14	11	14	15	19	21	24	22	18	13	12	14	14	29	29	27	25	26	23	14	12	12	12	7	17.8	29.1	6.6
2	4	0	2	3	1	2	2	3	3	3	4	4	4	4	4	8	12	14	11	8	16	12	11	10	6.1	16.5	0.3
3	5	3	3	3	1	1	0	2	1	3	2	6	8	6	6	6	5	6	7	8	8	3	4	4	4.2	8.5	0.4
4	3	4	3	3	3	3	3	4	4	4	4	4	4	6	8	6	6	6	9	9	9	7	6	4	5.2	9.3	2.5
5	5	4	4	3	4	6	7	9	8	8	6	6	7	13	19	16	14	14	13	14	15	10	9	7	9.1	19.3	3.0
6	6	4	4	3	3	5	8	8	7	7	7	12	18	8	7	9	7	8	8	CA	8	9	12	10	7.7	17.6	3.1
7	5	4	3	4	6	8	8	9	9	7	7	17	22	15	9	9	8	8	9	8	7	7	6	5	8.4	22.1	3.2
8	5	5	7	5	9	22	31	18	9	15	12	13	9	10	7	7	6	6	5	6	7	5	3	3	9.4	30.8	3.0
9	3	3	5	5	7	5	8	8	8	7	11	12	12	11	9	9	9	10	12	14	12	11	8	7	8.5	13.6	2.8
10	6	7	6	3	2	4	5	3	2	2	2	1	2	1	2	3	3	3	3	9	7	8	8	5	4.0	9.0	1.1
11	5	4	7	14	14	17	21	34	43	32	28	23	17	10	7	11	9	13	17	18	19	22	26	23	18.1	43.1	3.8
12	21	21	21	21	24	31	39	39	41	40	37	39	34	23	19	20	22	19	15	24	23	21	29	19	26.8	41.1	14.9
13	23	18	9	5	10	20	23	25	21	18	15	8	8	9	29	23	26	31	17	ZS	10	9	8	8	16.2	31.2	5.1
14	6	5	5	7	7	12	16	12	8	9	10	14	28	32	28	22	16	17	21	25	15	9	11	14	14.5	31.9	5.0
15	15	14	20	17	18	23	36	46	35	36	42	40	28	18	14	12	9	7	4	9	7	5	3	1	19.0	46.2	1.1
16	3	3	3	3	3	3	4	4	4	4	4	4	6	12	11	9	7	6	4	3	3	3	4	4	4.8	12.2	2.8
17	5	4	3	4	4	5	5	4	4	3	1	2	5	5	6	4	5	9	15	15	16	18	6	3	6.2	18.1	1.3
18	3	4	3	6	3	5	4	5	3	3	4	15	17	12	11	7	7	8	10	9	9	8	5	7	7.1	17.3	3.0
19	4	4	6	5	3	5	3	4	5	6	20	16	14	6	4	4	4	6	8	11	14	13	8	3	7.2	19.7	2.6
20	12	10	6	7	12	13	18	17	19	18	16	23	25	17	14	12	11	11	ZS	ZS	5	5	4	4	12.6	24.9	4.1
21	4	4	3	3	3	2	3	3	2	2	3	3	4	4	13	12	10	10	9	6	3	3	3	5	4.8	12.6	2.0
22	4	3	3	2	2	1	3	6	7	6	5	4	4	3	4	3	3	3	4	5	7	5	5	9	4.2	8.6	1.5
23	9	8	8	14	13	10	18	15	13	12	12	12	12	6	3	0	0	3	6	7	2	2	1	1	7.7	17.6	0.0
24	1	1	2	2	1	2	2	2	2	2	ZS	3	3	4	4	4	5	10	13	16	6	1	2	6	4.0	16.1	0.9
25	11	13	13	7	4	11	12	12	13	13	23	31	17	15	16	15	15	12	7	17	21	4	7	9	13.2	30.5	4.0
26	7	8	8	9	9	17	27	22	15	11	5	7	13	26	18	13	4	5	10	21	14	4	3	4	11.6	26.7	2.6
27	5	11	9	9	6	7	14	18	13	8	7	5	16	26	28	24	23	21	20	20	17	10	9	5	13.9	27.5	4.7
28	5	6	7	15	12	13	13	10	29	22	21	21	28	24	20	15	5	15	16	CA	10	8	8	7	14.3	29.4	4.7
29	7	7	5	6	6	3	8	5	8	CA	CA	23	16	23	18	9	9	7	7	10	18	18	11	7	10.6	23.5	3.4
30	8	2	1	0	2	3	5	7	5	5	7	4	8	6	4	6	8	11	14	16	19	16	13	7	7.4	19.3	0.4
31	9	5	11	12	11	14	11	7	8	10	15	12	4	7	6	7	8	9	10	15	15	13	15	14	10.3	15.2	4.1
Average	7.2	6.5	6.6	6.9	7.2	9.5	12.2	12.3	11.9	10.9	11.8	12.9	13.1	12.6	12.1	10.6	9.7	10.7	10.9	12.5	11.4	9.1	8.4	7.2			
Maximum	22.7	20.6	20.8	21.2	24.1	31.2	38.8	46.2	43.1	40.4	41.8	39.7	34.0	31.9	29.1	26.5	25.9	31.2	22.9	24.5	22.7	22.1	29.0	22.9			
Minimum	0.9	0.3	0.9	0.4	1.2	0.7	0.4	1.5	1.0	1.9	1.3	1.1	2.5	1.3	1.8	0.0	0.0	2.5	3.3	2.8	1.9	0.9	1.4	1.1			

Quality Control Codes

- Auto Zero/Span Check AS
- Calibration CA
- Invalid Hour IH
- Instrument Malfunction IM
- Maintenance MN
- Channel Off Line OL
- Out of Range OR
- Rate of Change RC
- Replace Instrument RP
- Shelter Temperature Range Exceedance ST
- Instrument Warm Up WU

Data Report - Level 1.0 Validation



PCR

PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Nitrous Oxide (NO)

Units: Parts per Billion (PPB)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	0	0	0	0	1	3	7	7	5	2	2	1	1	4	2	2	0	0	1	0	1	0	0	0	1.6	7.0	0.0
2	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.9	0.0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.1	0.7	0.0
4	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0.1	0.9	0.0
5	0	0	0	0	0	0	0	1	1	1	2	1	1	2	4	3	2	2	0	0	0	0	0	0	0.9	3.6	0.0
6	0	0	0	0	0	0	1	2	2	2	2	4	5	2	2	3	2	3	2	CA	1	1	2	0	1.5	5.2	0.0
7	0	0	1	0	0	1	2	4	4	3	2	6	6	3	2	2	1	1	1	0	0	0	0	0	1.5	6.5	0.0
8	0	0	0	0	1	10	15	7	2	5	4	4	2	4	2	1	2	1	1	0	0	0	0	0	2.5	15.0	0.0
9	0	0	0	0	0	0	1	2	3	2	2	1	1	1	0	0	0	1	1	1	0	0	0	0	0.7	2.7	0.0
10	0	0	0	0	0	0	1	2	1	1	0	1	0	0	1	1	1	2	1	0	0	0	0	0	0.5	2.1	0.0
11	0	0	0	1	1	4	7	17	22	12	10	5	3	2	1	1	1	2	1	0	0	1	3	1	3.9	22.3	0.0
12	0	1	1	0	3	11	17	15	16	13	8	7	4	2	0	0	1	2	0	0	0	0	0	0	4.3	16.9	0.0
13	0	0	0	0	0	1	4	5	3	1	1	0	0	1	1	1	1	1	0	ZS	0	1	1	1	1.0	4.6	0.0
14	1	1	0	1	0	3	6	4	3	2	3	2	5	5	3	1	1	1	1	1	1	1	1	0	1.9	5.7	0.0
15	1	0	2	1	2	8	20	23	14	12	12	8	4	2	2	1	1	1	2	0	1	1	1	1	5.0	23.3	0.0
16	1	0	1	1	0	1	3	3	3	2	1	1	1	2	1	0	1	1	1	1	1	0	0	1	1.1	3.4	0.1
17	1	1	0	1	1	1	2	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	1	0.8	2.0	0.1
18	1	0	1	0	1	2	3	4	3	2	2	4	4	3	2	2	2	2	1	0	0	1	0	0	1.8	4.3	0.2
19	1	1	1	0	0	1	2	3	4	5	8	6	7	3	2	1	1	2	1	1	1	0	0	0	2.1	7.7	0.0
20	1	1	1	1	2	4	8	9	11	8	6	5	5	3	3	2	1	1	ZS	ZS	1	1	1	0	3.4	10.8	0.2
21	1	1	1	0	1	1	2	3	2	2	2	2	1	2	2	3	4	4	2	1	0	0	1	0	1.6	4.3	0.2
22	0	1	0	1	0	1	2	3	5	5	4	4	3	2	2	2	1	1	1	1	1	0	0	1	1.8	5.1	0.2
23	0	1	1	1	1	1	7	5	3	2	2	2	1	1	1	0	0	0	1	0	0	0	1	0	1.3	7.2	0.0
24	0	1	0	1	1	1	1	1	2	1	ZS	1	1	1	0	0	0	1	1	1	2	1	1	1	0.8	1.6	0.2
25	0	1	0	0	1	2	3	3	2	2	3	6	3	2	2	1	2	3	1	1	0	0	1	1	1.7	6.2	0.1
26	1	1	1	1	1	7	15	10	6	3	1	1	1	2	1	2	1	1	0	1	1	1	1	0	2.4	15.3	0.1
27	1	0	0	1	0	1	2	4	5	2	0	1	2	2	2	2	2	1	1	1	0	1	1	1	1.4	4.6	0.0
28	0	1	0	1	0	2	5	5	10	5	4	3	3	3	2	1	1	1	0	CA	0	1	0	0	2.2	9.8	0.1
29	1	1	1	1	1	1	2	2	4	CA	CA	4	2	3	2	2	2	1	1	0	0	1	1	0	1.5	4.3	0.1
30	1	0	1	0	1	1	3	1	1	2	1	1	2	1	1	0	0	2	1	0	0	1	1	1	0.9	2.7	0.2
31	0	1	0	1	1	1	2	2	2	2	3	2	2	2	1	1	1	1	1	1	0	1	1	1	1.3	3.1	0.2
Average	0.4	0.4	0.5	0.5	0.7	2.2	4.6	4.8	4.5	3.4	2.9	2.7	2.3	1.9	1.4	1.2	1.1	1.3	0.8	0.4	0.4	0.5	0.6	0.4			
Maximum	1.3	1.1	2.3	1.4	3.3	11.0	19.7	23.3	22.3	12.8	11.6	7.9	6.6	4.5	3.6	3.3	4.3	3.6	1.8	1.2	1.6	1.0	3.1	1.4			
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Quality Control Codes

- Auto Zero/Span Check AS
- Calibration CA
- Invalid Hour IH
- Instrument Malfunction IM
- Maintenance MN
- Channel Off Line OL
- Out of Range OR
- Rate of Change RC
- Replace Instrument RP
- Shelter Temperature Range Exceedance ST
- Instrument Warm Up WU

Data Report - Level 1.0 Validation



PCR

PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Nitrogen Dioxide (NO2)

Units: Parts per Billion (PPB)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	14	11	14	15	19	17	17	15	13	11	10	13	13	26	27	25	25	25	22	14	11	12	12	7	16.2	27.2	6.6	
2	4	0	2	3	1	2	2	3	2	2	3	4	4	4	4	8	12	14	11	8	16	12	11	10	5.9	16.5	0.3	
3	5	3	3	3	1	1	0	2	1	3	2	6	7	6	5	6	5	6	7	8	8	3	4	4	4.1	8.5	0.4	
4	3	4	3	3	3	3	3	4	3	4	4	4	4	5	8	6	6	6	9	9	9	7	6	4	5.1	9.1	2.5	
5	5	4	4	3	4	6	7	8	7	7	4	5	6	11	16	13	12	12	13	14	15	10	9	7	8.3	15.7	3.0	
6	6	4	4	3	3	5	7	6	4	4	5	8	12	6	5	6	4	5	7	CA	7	9	10	10	6.2	12.4	3.1	
7	5	4	3	4	6	7	6	5	6	4	5	12	16	13	7	7	7	8	8	8	7	7	6	5	6.9	15.6	2.6	
8	5	5	7	5	9	12	16	11	7	10	9	10	6	7	5	5	4	4	5	6	7	5	3	3	6.9	15.8	3.0	
9	3	3	5	5	7	5	7	6	5	5	9	11	11	10	9	9	9	9	10	13	12	10	8	6	7.8	12.9	2.6	
10	6	7	6	3	1	4	4	1	1	1	2	0	2	1	1	2	1	0	3	9	7	8	8	5	3.5	9.0	0.2	
11	5	4	7	13	13	14	14	17	21	20	19	18	14	9	6	10	8	12	16	18	19	21	23	21	14.2	23.0	3.7	
12	21	20	20	21	21	20	22	24	26	28	29	32	30	21	18	19	21	17	15	24	23	21	29	19	22.5	31.6	14.7	
13	22	18	9	5	10	19	19	21	18	17	15	8	8	8	28	22	25	30	17	ZS	9	8	7	7	15.2	30.2	4.7	
14	5	4	5	6	7	9	10	7	5	7	7	12	23	27	26	21	14	16	19	24	14	8	11	14	12.6	27.4	4.3	
15	14	14	18	16	16	15	16	23	21	23	30	32	24	16	12	11	8	6	3	8	6	4	2	0	14.0	31.8	0.1	
16	2	3	2	3	3	2	1	1	0	2	3	4	5	10	10	9	7	5	3	2	3	3	3	3	3.7	10.2	0.4	
17	4	3	3	3	3	4	3	3	3	2	0	0	5	4	5	4	4	8	14	14	15	18	6	2	5.4	17.6	0.2	
18	2	4	2	6	2	2	1	1	0	1	2	11	13	9	8	5	5	6	9	9	9	7	5	7	5.3	13.0	0.0	
19	3	3	5	5	2	4	0	1	1	1	12	10	8	3	2	3	3	4	6	10	13	13	8	3	5.1	13.1	0.3	
20	12	9	6	6	10	9	10	7	9	9	10	18	20	14	10	10	10	9	ZS	ZS	4	4	4	4	9.2	20.4	3.7	
21	3	2	2	2	2	0	0	0	0	0	1	1	3	2	10	9	6	6	7	6	2	3	3	5	3.3	10.5	0.1	
22	4	2	3	1	2	1	2	2	2	1	1	0	1	1	2	2	2	2	3	5	6	5	4	8	2.4	7.7	0.1	
23	8	7	8	12	12	9	10	10	10	9	10	10	11	6	2	0	0	3	6	6	1	1	1	1	1	6.4	12.4	0.0
24	0	0	1	1	1	1	1	1	1	1	ZS	3	3	3	3	3	4	9	13	15	4	0	1	5	3.2	14.9	0.3	
25	10	12	13	7	3	9	9	9	10	11	20	24	13	13	14	14	13	9	5	17	20	4	6	9	11.5	24.3	3.0	
26	6	8	7	8	8	10	11	12	9	8	4	6	12	24	18	12	4	4	9	21	13	4	2	3	9.2	23.9	1.9	
27	4	10	9	8	6	7	12	14	8	6	6	4	15	24	25	22	22	19	19	19	17	9	8	5	12.5	25.3	4.1	
28	5	5	6	15	12	11	9	5	20	17	17	18	25	20	18	13	3	14	15	CA	10	8	8	6	12.1	24.9	3.3	
29	7	6	4	4	6	3	6	3	5	CA	CA	19	14	21	16	6	7	5	6	10	18	17	11	7	9.1	20.5	2.7	
30	8	2	0	0	1	2	2	5	4	3	6	3	6	4	3	6	8	10	13	15	19	15	13	7	6.4	19.1	0.1	
31	9	4	10	11	10	12	9	5	6	7	12	10	2	5	5	6	7	8	9	15	15	12	14	14	9.0	14.8	1.9	
Average	6.8	6.0	6.1	6.5	6.6	7.3	7.6	7.5	7.3	7.5	8.9	10.1	10.8	10.7	10.7	9.4	8.6	9.4	10.0	12.0	11.0	8.7	7.8	6.9				
Maximum	22.4	20.0	20.0	20.7	20.8	20.1	21.8	23.8	25.6	27.6	30.2	31.8	29.9	27.4	27.7	25.0	24.9	30.2	21.6	24.0	22.7	21.3	29.0	21.5				
Minimum	0.5	0.3	0.3	0.1	0.5	0.7	0.3	0.1	0.0	0.5	0.2	0.1	0.9	0.8	1.3	0.0	0.0	0.5	2.6	1.9	1.5	0.3	0.6	0.1				

Quality Control Codes

- Auto Zero/Span Check AS
- Calibration CA
- Invalid Hour IH
- Instrument Malfunction IM
- Maintenance MN
- Channel Off Line OL
- Out of Range OR
- Rate of Change RC
- Replace Instrument RP
- Shelter Temperature Range Exceedance ST
- Instrument Warm Up WU

Data Report - Level 1.0 Validation



PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Wind Speed

Units: Meters per Second (m/s)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	2	2	3	2	2	3	3	3	3	2	1	0	1	2	3	3	3	3	0	3	3	2	3	3	2.2	3.2	0.1
2	3	3	4	4	4	5	4	4	4	4	4	4	3	2	1	1	2	2	1	3	3	3	3	3	3.1	4.7	0.7
3	3	3	4	4	3	3	3	3	3	3	0	1	2	3	3	4	4	3	2	2	0	3	3	2	2.7	3.8	0.3
4	2	2	3	3	3	3	3	4	4	3	2	1	1	2	3	3	3	3	3	3	1	3	3	2	2.6	3.9	0.8
5	2	3	2	2	2	2	2	3	3	3	3	1	1	2	3	4	4	3	3	2	0	2	2	2	2.4	3.6	0.2
6	2	2	3	3	3	3	4	4	4	3	1	2	3	4	5	4	5	4	4	3	2	1	0	2	2.9	4.7	0.3
7	3	3	2	2	2	3	3	4	4	3	1	2	3	5	5	4	4	4	4	3	3	3	2	2	3.1	4.6	0.9
8	1	0	0	0	0	0	0	2	2	2	3	3	4	3	4	4	4	4	3	3	3	3	2	2	2.2	4.1	0.0
9	2	2	1	2	2	2	2	2	3	2	3	4	4	4	4	4	4	5	4	3	3	2	2	2	2.8	4.6	1.4
10	3	2	2	2	2	1	2	2	3	3	4	4	4	4	4	4	4	3	3	4	3	3	3	3	3.0	4.4	1.1
11	1	1	0	0	0	0	1	1	2	2	2	3	3	4	4	4	4	4	4	3	2	2	1	1	2.1	4.4	0.0
12	1	1	1	1	0	0	1	1	1	2	2	2	3	3	3	3	3	3	3	3	2	1	1	1	1.7	3.4	0.0
13	2	2	2	2	2	2	4	4	3	3	3	2	1	0	3	3	2	2	3	4	3	2	3	3	2.6	4.0	0.4
14	3	3	3	3	3	3	2	2	2	0	1	2	2	3	3	3	3	3	3	2	1	2	2	1	2.3	3.2	0.3
15	1	1	1	0	0	0	1	0	1	1	2	3	3	3	3	3	3	3	4	3	1	3	3	2	1.9	3.7	0.1
16	2	2	2	2	1	2	2	2	2	1	1	1	2	3	3	4	4	4	3	2	3	3	2	2	2.3	3.8	0.6
17	2	3	3	2	3	2	2	3	2	2	1	1	3	3	3	3	3	3	3	3	2	0	2	2	2.4	3.4	0.2
18	2	2	2	2	2	3	3	2	2	1	1	3	3	3	4	4	4	3	3	3	3	2	2	1	2.5	3.7	0.9
19	1	1	1	0	0	0	1	1	1	1	2	3	3	3	3	4	4	4	3	2	2	1	0	0	1.7	3.8	0.3
20	1	0	0	1	1	0	0	0	1	1	1	2	2	3	3	3	3	3	2	1	2	2	3	2	1.5	3.2	0.1
21	1	2	2	1	2	1	2	2	2	2	2	2	2	2	1	2	2	1	1	2	2	2	1	1	1.7	2.4	0.6
22	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	3	3	2	2	2	1	2.5	3.6	0.5
23	0	0	0	0	0	1	1	1	1	2	2	2	2	2	3	3	4	3	3	2	1	3	3	3	1.7	3.6	0.0
24	3	3	3	3	3	4	3	4	4	3	3	2	0	1	3	3	3	3	3	2	2	3	2	2	2.7	4.1	0.4
25	2	3	2	2	2	2	2	0	0	1	2	3	3	3	3	3	3	3	3	3	1	2	1	2	2.1	3.3	0.2
26	2	2	2	2	2	2	2	2	2	2	1	1	2	3	3	3	3	3	3	2	2	2	2	2	2.2	3.3	0.7
27	2	2	2	2	3	2	3	3	2	2	1	0	2	3	3	3	3	3	3	2	1	2	2	1	2.2	3.4	0.3
28	1	2	2	2	2	2	1	0	0	0	0	1	3	3	3	3	3	3	3	2	1	2	2	2	1.9	3.4	0.1
29	2	2	2	2	2	2	2	2	2	2	0	1	2	3	3	3	3	3	3	3	2	2	0	1	2.1	3.5	0.4
30	1	1	1	1	1	2	2	1	0	1	1	2	3	3	3	3	4	3	3	3	2	2	1	0	1.9	3.6	0.1
31	1	1	1	2	1	1	1	0	1	2	2	3	3	3	3	4	4	3	3	3	3	2	2	2	2.1	3.8	0.2
Average	1.8	1.9	1.9	1.8	1.8	1.8	2.1	2.1	2.1	2.0	1.8	2.0	2.4	2.8	3.2	3.3	3.3	3.3	2.9	2.6	2.1	2.2	1.9	1.8			
Maximum	3.2	3.4	3.8	3.8	4.1	4.7	4.4	4.1	4.0	3.9	4.1	4.4	4.1	4.6	4.7	4.3	4.7	4.6	4.2	4.0	3.4	3.4	3.1	3.5			
Minimum	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.1	0.4	0.4	0.9	0.7	1.7	1.3	0.4	1.2	0.2	0.2	0.3	0.1			

Quality Control Codes

Auto Zero/Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Maintenance	MN
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU

Data Report - Level 1.0 Validation



PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Wind Direction

Units: Degrees True

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	118	129	135	126	132	128	122	122	119	114	136	201	281	286	298	294	301	302	244	134	130	117	127	128	176	302	114
2	126	128	121	109	108	116	116	115	120	130	129	133	134	132	152	253	282	297	147	130	130	131	131	125	146	297	108
3	122	129	126	123	122	125	135	133	123	121	231	284	280	293	295	298	295	293	297	296	230	135	133	137	198	298	121
4	134	124	127	127	118	106	107	114	138	133	122	136	263	274	291	297	292	297	286	298	166	134	135	133	181	298	106
5	133	140	128	118	133	111	115	109	107	119	134	150	268	287	297	297	297	297	295	301	194	137	134	133	185	301	107
6	121	126	115	113	125	124	124	128	133	126	247	284	292	296	298	299	298	298	301	299	287	284	271	142	214	301	113
7	140	129	127	128	111	111	116	125	127	129	148	280	291	297	298	296	301	304	296	302	295	304	297	297	219	304	111
8	291	271	261	54	100	85	241	292	286	289	288	289	297	283	295	295	297	294	294	294	302	300	294	302	262	302	54
9	305	301	306	286	300	295	293	292	290	285	293	298	296	293	291	298	298	299	298	297	299	301	296	290	296	306	285
10	301	289	277	288	294	291	301	295	297	294	296	292	299	298	293	293	295	297	298	294	303	302	299	298	295	303	277
11	294	295	291	125	145	245	285	288	288	287	294	295	296	293	295	297	299	300	298	296	297	305	296	274	278	305	125
12	272	274	282	272	262	335	288	291	290	285	280	286	289	294	292	290	291	294	295	293	286	286	127	127	274	335	127
13	132	135	135	125	120	134	133	131	127	125	131	136	135	230	297	295	293	293	137	133	134	142	138	132	163	297	120
14	122	125	128	139	138	137	119	115	115	170	283	290	288	290	293	292	299	296	292	291	143	132	123	122	198	299	115
15	140	125	143	141	176	139	129	284	290	291	286	288	290	297	295	301	297	296	289	290	131	130	125	119	220	301	119
16	123	122	119	106	124	112	101	119	110	115	281	291	287	291	295	292	291	297	288	295	135	129	124	109	190	297	101
17	115	124	120	124	133	116	101	123	116	120	162	287	294	298	298	293	300	298	296	296	200	135	127	199	300	101	
18	130	105	122	110	121	117	117	120	105	120	286	292	297	297	297	299	298	296	293	295	296	299	295	288	221	299	105
19	140	143	93	58	46	100	107	129	122	280	289	288	291	297	295	299	296	298	290	294	302	303	279	165	217	303	46
20	299	257	251	287	287	248	43	243	285	283	281	289	284	291	297	296	295	298	299	302	129	135	134	129	248	302	43
21	130	140	127	128	129	131	131	129	127	125	128	133	128	126	282	302	296	289	292	301	304	305	305	302	200	305	125
22	305	300	304	303	303	298	293	287	287	289	287	290	298	295	293	298	296	295	304	305	301	292	288	260	295	305	260
23	286	158	142	122	130	113	132	130	290	294	285	286	286	285	289	293	296	297	290	283	152	137	126	125	218	297	113
24	120	117	122	121	123	122	123	127	139	127	122	134	262	261	292	297	296	297	287	294	134	133	120	120	179	297	117
25	121	116	115	124	113	94	119	138	186	296	283	291	291	289	298	295	299	294	299	294	278	129	121	121	208	299	94
26	122	129	123	126	97	103	105	109	119	114	117	272	289	292	296	295	297	297	292	293	138	132	129	116	183	297	97
27	119	122	123	123	125	128	135	119	120	110	134	271	283	291	298	297	298	299	289	293	274	134	123	130	193	299	110
28	145	122	122	124	121	115	118	130	111	289	289	280	290	295	297	297	299	295	296	291	141	133	133	132	203	299	111
29	133	133	131	129	128	126	143	128	125	129	246	268	285	297	301	297	296	303	290	296	290	297	277	141	216	303	125
30	131	120	117	119	112	121	120	111	196	279	286	289	293	293	291	301	294	301	294	302	300	294	281	188	226	302	111
31	145	122	129	122	110	135	118	182	289	288	290	290	293	298	293	298	295	294	300	292	297	289	291	287	240	300	110
Average	171	163	160	145	148	150	149	166	180	199	228	255	273	279	290	295	296	297	283	280	229	209	196	177			
Maximum	305	301	306	303	303	335	301	295	297	296	296	298	299	298	301	302	301	304	304	305	304	305	305	302			
Minimum	115	105	93	54	46	85	43	109	105	110	117	133	128	126	152	253	282	289	137	130	129	117	120	109			

Quality Control Codes

- Auto Zero/Span Check AS
- Calibration CA
- Invalid Hour IH
- Instrument Malfunction IM
- Maintenance MN
- Channel Off Line OL
- Out of Range OR
- Rate of Change RC
- Replace Instrument RP
- Shelter Temperature Range Exceedance ST
- Instrument Warm Up WU

Data Report - Level 1.0 Validation



PCR

PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Ambient Temperature

Units: Degrees Celcius (oC)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	17	16	15	15	14	14	14	16	19	23	26	29	31	31	31	31	30	29	27	22	18	17	16	15	21.5	31.5	13.8
2	14	13	13	12	12	12	13	13	15	17	20	22	25	27	29	30	29	27	25	20	17	15	14	13	18.6	30.1	12.1
3	13	13	12	12	12	12	12	13	15	18	22	25	27	29	29	28	27	26	25	23	21	16	14	14	19.0	29.1	11.7
4	13	12	12	12	12	12	12	13	14	17	21	25	27	29	29	29	28	27	25	22	18	15	14	13	18.8	29.2	11.6
5	13	13	13	13	13	13	13	14	14	15	18	21	24	25	25	24	23	22	21	20	18	15	14	14	17.5	25.4	12.9
6	13	13	13	13	13	14	14	15	16	18	22	25	27	28	27	27	25	24	22	21	19	18	17	16	19.3	28.1	12.9
7	14	14	14	14	14	14	15	16	17	20	23	26	27	26	26	25	24	23	21	19	18	17	16	15	19.1	27.3	13.7
8	15	14	13	13	12	13	17	17	19	20	21	23	24	25	25	25	24	23	21	19	18	18	18	18	19.0	25.0	12.4
9	18	18	17	17	16	16	17	17	18	20	21	22	22	23	24	24	23	22	20	18	17	17	16	16	19.1	23.6	16.3
10	16	16	16	15	15	15	16	18	19	21	22	24	25	26	26	26	26	25	23	21	20	19	19	18	20.3	26.3	15.2
11	18	18	17	16	16	17	18	18	20	22	24	26	28	29	29	29	28	26	25	24	22	21	20	19	22.1	29.3	16.2
12	18	18	18	17	16	17	18	20	22	25	27	30	31	33	33	33	33	32	30	27	25	23	22	21	24.5	33.3	16.4
13	20	18	18	17	17	16	17	19	21	25	28	31	34	35	35	34	33	32	28	24	21	20	19	18	24.1	35.5	16.3
14	17	16	15	14	14	14	16	18	22	25	28	31	32	33	33	33	34	33	31	28	25	22	20	19	23.9	33.8	13.8
15	18	18	17	16	16	17	19	21	23	25	28	30	32	33	34	34	34	33	31	27	22	20	19	18	24.3	34.4	16.0
16	17	16	16	15	15	15	16	19	22	27	30	33	35	36	35	35	34	33	30	29	24	21	20	19	24.6	35.6	14.6
17	19	18	17	17	16	16	17	19	22	25	29	31	33	33	34	34	34	33	30	26	24	23	20	19	24.5	34.5	15.6
18	18	17	16	16	15	14	15	17	20	23	26	28	29	29	30	30	29	28	26	23	21	19	19	18	21.9	30.0	14.1
19	17	17	17	17	17	18	18	19	21	23	25	27	28	30	31	30	29	28	26	24	22	20	20	18	22.5	30.5	16.8
20	18	17	16	17	17	17	17	18	20	22	25	28	30	31	31	30	29	28	25	13	11	9	8	7	21.2	31.0	8.3
21	8	7	6	6	6	6	7	7	9	11	13	14	15	14	13	11	11	11	12	11	9	8	7	7	9.7	15.2	6.1
22	7	6	6	6	6	6	7	7	8	9	11	13	15	16	16	17	16	16	15	13	11	10	9	7	10.6	16.6	6.1
23	7	6	5	4	4	4	6	10	14	17	19	22	25	26	27	27	27	26	23	20	17	14	13	12	15.6	27.4	3.7
24	11	11	10	9	8	8	9	11	14	17	20	22	24	26	25	23	22	21	19	17	14	11	9	8	15.4	25.7	7.8
25	8	7	6	6	5	5	6	10	12	14	16	18	19	20	20	20	20	20	18	14	13	10	8	7	12.5	20.4	4.7
26	6	5	4	3	3	2	3	5	8	12	16	20	22	23	23	22	21	19	17	14	11	8	7	6	11.6	22.8	2.2
27	5	4	3	2	2	2	4	7	10	13	17	19	20	20	19	19	17	15	13	11	9	8	7	10.4	20.3	2.3	
28	7	6	5	5	4	4	5	8	10	12	15	17	18	19	18	18	17	16	15	13	11	9	8	7	11.1	18.6	4.1
29	6	6	5	5	4	4	5	6	8	11	14	17	19	19	19	17	17	15	13	11	10	9	8	8	10.6	19.3	4.2
30	7	6	6	5	5	5	6	8	11	13	15	18	19	20	21	21	20	19	17	15	13	11	10	9	12.4	21.0	4.6
31	8	7	7	6	6	6	7	9	11	13	15	17	19	20	21	21	21	20	19	16	13	11	10	9	12.9	21.3	5.7
Average	13.0	12.4	11.9	11.5	11.2	11.2	12.1	13.7	15.8	18.4	21.2	23.6	25.3	26.3	26.5	26.1	25.4	24.3	22.4	19.9	17.3	15.4	14.3	13.4			
Maximum	19.6	18.4	17.6	17.4	17.4	17.6	18.9	20.7	22.6	26.7	30.4	32.9	34.7	35.6	35.2	34.9	34.1	33.3	31.3	28.6	24.8	23.5	22.0	20.8			
Minimum	4.9	3.9	3.0	2.3	2.3	2.2	2.4	3.5	6.6	9.4	11.3	13.1	14.8	14.3	13.2	10.7	10.6	11.4	11.6	10.5	9.2	8.2	6.7	5.6			

Quality Control Codes

- Auto Zero/Span Check AS
- Calibration CA
- Invalid Hour IH
- Instrument Malfunction IM
- Maintenance MN
- Channel Off Line OL
- Out of Range OR
- Rate of Change RC
- Replace Instrument RP
- Shelter Temperature Range Exceedance ST
- Instrument Warm Up WU

Data Report - Level 0.0 Validation



PCR

PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Relative Humidity

Units: Percent (%)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	79	83	84	86	89	90	88	81	69	56	46	37	33	37	41	42	44	47	50	61	71	77	81	86	65	90	33
2	91	94	95	96	96	95	93	89	85	76	66	58	50	44	38	38	42	45	51	65	76	83	87	90	73	96	38
3	94	96	97	98	99	99	98	94	84	72	53	42	33	29	32	37	42	45	44	52	61	78	84	87	69	99	29
4	88	90	96	97	96	96	94	91	85	73	61	48	38	33	35	40	42	44	49	58	70	81	86	89	70	97	33
5	91	92	91	92	91	91	90	89	86	80	71	58	50	48	49	52	55	58	61	65	72	81	84	88	74	92	48
6	91	93	92	92	91	90	89	85	81	72	58	49	43	44	48	52	55	56	59	64	70	74	78	84	71	93	43
7	90	93	93	94	94	93	89	83	76	67	54	42	39	45	42	39	40	42	50	59	61	66	71	74	67	94	39
8	77	82	85	86	87	85	71	64	56	54	52	50	48	46	47	51	57	62	66	76	79	80	81	80	68	87	46
9	79	78	82	85	86	84	83	79	74	67	60	59	59	57	56	56	57	62	68	76	80	80	81	80	72	86	56
10	80	81	82	83	84	84	81	75	68	56	49	53	52	52	52	54	56	61	65	73	79	81	82	82	69	84	49
11	84	86	88	90	91	89	86	83	76	66	59	53	48	45	44	44	44	47	49	52	58	63	68	73	66	91	44
12	77	79	81	84	86	85	79	73	64	53	46	40	37	33	32	32	34	38	41	48	53	57	60	63	57	86	32
13	67	71	74	76	77	79	77	71	63	53	45	34	27	27	32	34	37	39	42	51	59	65	69	73	56	79	27
14	77	82	87	89	90	90	83	72	60	49	39	31	30	32	33	32	27	26	30	37	47	55	61	66	55	90	26
15	69	72	75	78	80	81	74	73	66	55	45	37	31	22	18	18	18	19	24	35	60	66	70	73	52	81	18
16	76	79	82	85	86	86	81	72	58	43	32	29	24	26	29	27	30	33	37	42	55	61	65	69	54	86	24
17	71	74	76	79	81	84	79	70	61	52	41	35	32	31	28	26	27	31	43	50	56	62	72	76	56	84	26
18	78	81	83	87	89	93	90	82	72	58	50	47	45	42	41	43	46	51	57	65	75	80	83	85	68	93	41
19	86	86	87	87	88	87	85	82	74	65	57	47	39	34	35	38	41	50	57	62	68	77	79	79	66	88	34
20	85	89	91	90	89	89	88	84	75	68	58	48	41	33	35	38	38	39	46	53	59	65	71	75	64	91	33
21	77	80	83	84	85	87	84	80	72	65	60	56	53	58	64	75	73	70	68	68	70	73	75	77	72	87	53
22	79	81	82	84	84	83	81	79	74	68	61	54	49	47	46	47	49	51	55	61	69	77	81	85	68	85	46
23	86	89	91	93	94	91	82	71	56	42	33	25	21	18	18	19	20	16	27	32	38	46	49	49	50	94	16
24	55	56	60	64	65	69	64	57	50	44	36	29	26	25	30	34	36	38	43	49	56	65	71	75	50	75	25
25	76	79	81	84	87	88	82	71	60	52	44	43	40	37	33	33	33	36	44	53	54	65	72	76	59	88	33
26	80	83	86	88	90	91	87	82	71	54	38	32	27	28	31	32	37	42	48	54	59	66	73	77	61	91	27
27	80	85	90	96	97	97	96	91	78	65	50	39	34	34	39	44	45	48	55	61	65	66	72	74	67	97	34
28	76	79	82	85	88	89	87	75	67	60	50	44	42	44	47	49	50	51	54	60	64	69	74	77	65	89	42
29	80	84	87	90	91	92	91	86	78	67	54	48	42	42	46	51	52	56	62	67	73	74	77	78	70	92	42
30	77	79	81	83	85	86	83	73	63	57	50	42	40	37	33	32	39	38	42	48	54	64	69	73	59	86	32
31	76	79	81	83	84	84	80	73	67	61	55	49	44	40	36	35	36	38	40	44	54	65	74	81	61	84	35
Average	80	82	85	87	88	88	84	78	70	60	51	44	39	38	38	40	42	44	49	56	63	70	74	77			
Maximum	94	96	97	98	99	99	98	94	86	80	71	59	59	58	64	75	73	70	68	76	80	83	87	90			
Minimum	55	56	60	64	65	69	64	57	50	42	32	25	21	18	18	18	18	16	24	32	38	46	49	49			

Quality Control Codes

Auto Zero/Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Maintenance	MN
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU



Data Report - Level 1.0 Validation



PCR Services Corporation

Project Name: Calpines Initial Study

Site Name: Park

Parameter: Shelter Temperature

Units: Degrees Celcius (oC)

Month: July

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	25	25	25	25	25	25	25	25	24	24	25	25	25	26	26	26	26	27	27	27	26	25	25	25	25.3	26.8	24.5
2	25	25	25	25	25	25	25	25	25	25	25	24	25	25	25	25	25	26	26	26	26	25	25	25	25.0	26.2	24.5
3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	25	25	25	25.0	25.8	24.5
4	25	25	25	25	25	25	25	25	25	25	24	24	25	25	25	25	26	26	26	26	25	25	25	25	25.0	26.1	24.5
5	25	25	25	25	25	25	25	25	25	25	24	24	25	25	25	25	25	25	25	25	25	25	25	25	24.8	25.2	24.5
6	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	25	25	25.1	26.5	24.5
7	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24.8	25.2	24.6
8	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24.9	25.3	24.5
9	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24.7	25.2	24.5
10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	25	25	25	25.0	25.7	24.6
11	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	25	25	25	25.1	26.3	24.6
12	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	25	25	25.2	26.2	24.6
13	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	27	27	27	28	26	25	25	25.5	27.6	24.6
14	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	27	27	27	27	27	27	26	25	25	25.4	26.7	24.5
15	25	25	25	25	25	25	25	25	25	25	25	26	26	26	27	27	27	27	27	27	27	26	25	25	25.5	27.4	24.6
16	25	25	25	25	25	25	25	25	25	25	25	26	26	27	27	27	27	27	27	27	27	26	26	25	25.4	26.8	24.5
17	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	27	27	27	27	27	27	26	26	25	25.4	26.8	24.5
18	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	27	27	26	26	25	25	25.2	26.6	24.5
19	25	25	25	25	25	25	25	24	24	25	25	25	25	26	26	26	26	26	27	26	26	25	25	25	25.2	26.6	24.5
20	25	25	25	25	25	25	25	25	24	25	25	25	25	26	26	26	26	27	27	27	27	26	25	24	25.3	27.5	24.1
21	24	24	24	24	24	24	24	24	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	23.7	24.0	23.5
22	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	24	24	24.0	25.2	23.5
23	24	24	24	24	24	24	24	24	24	24	24	25	25	25	26	26	26	26	26	26	26	25	25	24	24.6	25.9	23.6
24	24	24	24	24	24	24	24	23	24	24	26	26	26	26	26	26	26	26	26	25	25	24	24	24	24.6	26.1	23.5
25	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	26	26	25	25	24	24	24	24.3	25.6	23.5
26	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	26	26	26	25	25	24	24	24	24.3	25.7	23.5
27	24	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	24	24	24	24.2	25.5	23.5
28	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	26	27	26	25	24.5	26.7	23.5
29	24	24	24	24	24	24	24	24	24	24	24	25	26	27	27	26	26	25	25	25	25	24	24	24	24.6	26.6	23.5
30	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	26	26	26	25	25	24	24	24.3	25.6	23.5
31	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	26	26	26	25	25	24	24	24.3	25.6	23.5
Average	24.3	24.3	24.4	24.5	24.5	24.4	24.4	24.3	24.2	24.2	24.5	24.7	25.0	25.3	25.5	25.6	25.7	25.8	25.9	25.8	25.4	24.9	24.5	24.3			
Maximum	24.7	24.8	25.0	25.2	25.1	25.2	25.1	25.0	24.8	24.7	25.6	26.1	26.6	26.6	26.6	26.9	27.1	27.3	27.4	27.5	27.6	26.4	25.5	24.9			
Minimum	23.5	23.7	23.7	23.7	23.7	23.6	23.5	23.5	23.5	23.5	23.6	23.7	23.9	24.0	24.0	24.0	23.9	23.9	24.0	24.0	23.8	23.7	23.6	23.5			

Quality Control Codes

- Auto Zero/Span Check AS
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