

Technical Bulletin, Daily Report Template



OMNI FLOW COMPUTERS, INC.
12620 West Airport Boulevard, Suite 100
Sugar Land, Texas 77478 United States of America
Phone-281.240.6161 Fax: 281.240.6162
www.omniflow.com

NOTE: User Manual Reference - This Technical Bulletin complements the information contained in the User Manual applicable to Revision 23.74/27.74+.

Table of Contents

Scope 3
Abstract 3
Revision 20 Default Daily Report 4
Revision 24 Default Daily Report 5
Revision 22 Default Daily Report 6
Revision 26 Default Daily Report 7
Revision 23 Default Daily Report 8
Revision 27 Default Daily Report 9

Scope

This document details Modbus database address changes relating to the printing of Daily Reports in firmware versions: 20, 22, 23, 24, 26, and 27.

Prior to the introduction of Network Printing in revisions xx.30.00, data appearing on the Daily Report was captured and printed in the same 500 mS calculation cycle at the end of the day. The introduction of two (2) additional network printers added significant processing overhead that made it necessary to capture and buffer the Daily Report data at the end of the day and process the report as a lower priority task.

The Revision Default Daily Reports list the Modbus indexes that should be used to build custom Daily Reports for each firmware application, prior to, and after the introduction of Network Printing. The data is presented in column pair format, with the LH column listing the Modbus index point to be used for pre xx.30.00 firmware, and the RH column listing the Modbus index point to be used for xx.30.00 firmware and later.

Abstract

N/A

Revision 20 Default Daily Report

	Firmware		Firmware		Firmware		Firmware		Firmware	
	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later
	Meter 1 Data		Meter 2 Data		Meter 3 Data		Meter 4 Data		Station Data	
Meter ID Number	4114	4114	4214	4214	4314	4314	4414	4414	4815	
Product Number	5117	15517	5217	15617	5317	15717	5417	15817		
Product ID	4105	4145	4205	4245	4305	4345	4405	4445		
API Table Selected	4106	4146	4206	4246	4306	4346	4406	4446		
Daily G(IV) BBL	5109	5154	5209	5254	5309	5354	5409	5454	5809	5854
Daily G(IV) BBL Rollover Flag	2109	2125	2209	2225	2309	2325	2409	2425	2809	2825
Daily N(GSV) BBL	5110	5155	5210	5255	5310	5355	5410	5455	5810	5855
Daily N(GSV) BBL Rollover Flag	2110	2126	2210	2226	2310	2326	2410	2426	2810	2826
Daily NSV BBL	5112	5157	5212	5257	5312	5357	5412	5457	5812	5857
Daily NSV BBL Rollover Flag	2112	2128	2212	2228	2312	2328	2412	2428	2812	2828
Daily Mass LB	5111	5156	5211	5256	5311	5356	5411	5456	5811	5856
Daily Mass LB Rollover Flag	2111	2127	2211	2227	2311	2327	2411	2427	2811	2827
BBL @ Deg.F	5197	5199	5297	5299	5397	5399	5497	5499	5897	5899
BBL @ Deg.F Rollover Flag	2134	2136	2234	2236	2334	2336	2434	2436	2834	2836
Opening G(IV) BBL	5162	5182	5262	5282	5362	5382	5462	5482	5862	5882
Opening N(GSV) BBL	5163	5183	5263	5283	5363	5383	5463	5483	5863	5883
Opening NSV BBL	5165	5185	5265	5285	5365	5385	5465	5485	5865	5885
Opening Mass LB	5164	5184	5264	5284	5364	5384	5464	5484	5864	5884
Closing G(IV) BBL	5105	5194	5205	5294	5305	5394	5405	5494	5805	5894
Closing G(IV) BBL Rollover Flag	2113	2129	2213	2229	2313	2329	2413	2429	2813	2829
Closing N (GSV) BBL	5106	5195	5206	5295	5306	5395	5406	5495	5806	5895
Closing N (GSV) BBL Rollover Flag	2114	2130	2214	2230	2314	2330	2414	2430	2814	2830
Closing NSV BBL	5108	5140	5208	5240	5308	5340	5408	5440	5808	5843
Closing NSV BBL Rollover Flag	2116	2132	2216	2232	2316	2332	2416	2432	2816	2832
Closing Mass LB	5107	5139	5207	5239	5307	5339	5407	5439	5807	5813
Closing Mass LB Rollover Flag	2115	2131	2215	2231	2315	2331	2415	2431	2815	2831
Daily Flow Weighted Averages:										
G Flow (IV) BBL/H	8582	8546	8682	8646	8782	8746	8882	8846	8946	8946
Temperature Deg.F	7129	8531	7229	8631	7329	8731	7429	8831	8931	8931
Pressure PSIG	7130	8532	7230	8632	7330	8732	7430	8832	8932	8932
Flowing Den GM/CC	7131	8533	7231	8633	7331	8733	7431	8833	8933	8933
Density T Deg.F	7132	8539	7232	8639	7332	8739	7432	8839	8939	8939
Density Pres PSIG	7133	8540	7233	8640	7333	8740	7433	8840	8940	8940
Flowing Sp. Gr.	7136	8537	7236	8637	7336	8737	7436	8837	8937	8937
Flowing API	7134		7234		7334		7434		8954	
Sp. Gr. @ 60 Deg.F	7137	8538	7237	8638	7337	8738	7437	8838	8938	8938
API @ 60 Deg.F	7135	8530	7235	8630	7335	8730	7435	8830	8955	8955
%S&W	8583	8547	8683	8647	8783	8747	8883	8847	8947	8947
Viscosity cSt	8580	8544	8680	8644	8780	8744	8880	8844	8944	8944
LCF	8581	8545	8681	8645	8781	8745	8881	8845	8945	8945
VCF	7138	8534	7238	8634	7338	8734	7438	8834	8934	8934
CPL	7139	8535	7239	8635	7339	8735	7439	8835	8935	8935
Meter Factor	5115	8536	5215	8636	5315	8736	5415	8836	8936	8936
K Factor	7142	8543	7242	8643	7342	8743	7442	8843	8943	8943
MF Used In Net (GSV)	4109	4149	4209	4249	4309	4349	4409	4449		

Revision 24 Default Daily Report

	Firmware		Firmware		Firmware		Firmware		Firmware	
	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later
	Meter 1 Data		Meter 2 Data		Meter 3 Data		Meter 4 Data		Station Data	
Meter ID Number	4114	4114	4214	4214	4314	4314	4414	4414	4815	4815
Product Number	5117	15517	5217	15617	5317	15717	5417	15817		
Product ID	4105	4145	4205	4245	4305	4345	4405	4445		
API Table Selected	4106	4146	4206	4246	4306	4346	4406	4446		
Day Start Date		4142		4242		4342		4442		
Day Start Time		4141		4241		4341		4441		
Day End Date		4144		4244		4344		4444		
Day End Time		4143		4243		4343		4443		
Daily Gross (IV) bbl	5109	5154	5209	5254	5309	5354	5409	5454	5809	5854
Daily Gross (IV) bbl Rollover Flag	2109	2125	2209	2225	2309	2325	2409	2425	2809	2825
Daily Net (GSV) bbl	5110	5155	5210	5255	5310	5355	5410	5455	5810	5855
Daily Net (GSV) bbl Rollover Flag	2110	2126	2210	2226	2310	2326	2410	2426	2810	2826
Daily NSV bbl	5112	5157	5212	5257	5312	5357	5412	5457	5812	5857
Daily NSV bbl Rollover Flag	2112	2128	2212	2228	2312	2328	2412	2428	2812	2828
Daily Mass Pounds - klb for 74.30	5111	5156	5211	5256	5311	5356	5411	5456	5811	5856
Daily Mass Pounds Rollover Flag	2111	2127	2211	2227	2311	2327	2411	2427	2811	2827
bbl @ Deg.F	5197	5199	5297	5299	5397	5399	5497	5499	5897	5899
bbl @ Deg.F Rollover Flag	2134	2136	2234	2236	2334	2336	2434	2436	2834	2836
Opening Gross (IV) bbl	5162	5182	5262	5282	5362	5382	5462	5482	5862	5882
Opening Net (GSV) bbl	5163	5183	5263	5283	5363	5383	5463	5483	5863	5883
Opening NSV bbl	5165	5185	5265	5285	5365	5385	5465	5485	5865	5885
Opening Mass Pounds - klb for 74.30	5164	5184	5264	5284	5364	5384	5464	5484	5864	5884
Closing Gross (IV) bbl	5105	5174	5205	5274	5305	5374	5405	5474	5805	5874
Closing Gross (IV) bbl Rollover Flag	2113	2129	2213	2229	2313	2329	2413	2429	2813	2829
Closing Net (GSV) bbl	5106	5175	5206	5275	5306	5375	5406	5475	5806	5875
Closing Net (GSV) bbl Rollover Flag	2114	2130	2214	2230	2314	2330	2414	2430	2814	2830
Closing NSV bbl	5108	5177	5208	5277	5308	5377	5408	5477	5808	5877
Closing NSV bbl Rollover Flag	2116	2132	2216	2232	2316	2332	2416	2432	2816	2832
Closing Mass Pounds - klb for 74.30	5107	5176	5207	5276	5307	5376	5407	5476	5807	5876
Closing Mass Pounds Rollover Flag	2115	2131	2215	2231	2315	2331	2415	2431	2815	2831
Daily Flow Weighted Averages:										
Temperature Deg. F	7129	8531	7229	8631	7329	8731	7429	8831		
Pressure PSIG	7130	8532	7230	8632	7330	8732	7430	8832		
Flowing Density gm/cc	7131	8533	7231	8633	7331	8733	7431	8833		
Density Temp Deg.F	7132	8539	7232	8639	7332	8739	7432	8839		
Density Pres PSIG	7133	8540	7233	8640	7333	8740	7433	8840		
Flowing Sp. Gr.	7136	8537	7236	8637	7336	8737	7436	8837		
Flowing API	7134	8544	7234	8644	7334	8744	7434	8844		
Sp. Gr. @ 60 Deg.F	7137	8538	7237	8638	7337	8738	7437	8838		
API @ 60 Deg.F	7135	8530	7235	8630	7335	8730	7435	8830		
%S&W	8583	8547	8683	8647	8783	8747	8883	8847		
VCF	7138	8534	7238	8634	7338	8734	7438	8834		
CPL	7139	8535	7239	8635	7339	8735	7439	8835		
CTPL		8554		8654		8754		8854		
Meter Factor	5115	8536	5215	8636	5315	8736	5415	8836		
K Factor	7142	8543	7242	8643	7342	8743	7442	8843		

Revision 22 Default Daily Report

	Firmware		Firmware		Firmware		Firmware		Firmware	
	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later
	Meter 1 Data		Meter 2 Data		Meter 3 Data		Meter 4 Data		Station Data	
Meter ID Number	4114	4114	4214	4214	4314	4314	4414	4414	4815	4815
Product Number	5117	15517	5217	15617	5317	15717	5417	15817		
Product ID	4105	4145	4205	4245	4305	4345	4405	4445		
API Table Selected	4106	4146	4206	4246	4306	4346	4406	4446		
Day Start Date		4142		4242		4342		4442		
Day Start Time		4141		4241		4341		4441		
Day End Date		4144		4244		4344		4444		
Day End Time		4143		4243		4343		4443		
Daily Gross (IV) bbl	5109	5154	5209	5254	5309	5354	5409	5454	5809	5854
Daily Gross (IV) bbl Rollover Flag	2109	2125	2209	2225	2309	2325	2409	2425	2809	2825
Daily Net (GSV) bbl	5110	5155	5210	5255	5310	5355	5410	5455	5810	5855
Daily Net (GSV) bbl Rollover Flag	2110	2126	2210	2226	2310	2326	2410	2426	2810	2826
Daily NSV bbl	5112	5157	5212	5257	5312	5357	5412	5457	5812	5857
Daily NSV bbl Rollover Flag	2112	2128	2212	2228	2312	2328	2412	2428	2812	2828
Daily Mass Pounds - klb for 74.30	5111	5156	5211	5256	5311	5356	5411	5456	5811	5856
Daily Mass Pounds Rollover Flag	2111	2127	2211	2227	2311	2327	2411	2427	2811	2827
bbl @ Deg.F	5197	5199	5297	5299	5397	5399	5497	5499	5897	5899
bbl @ Deg.F Rollover Flag	2134	2136	2234	2236	2334	2336	2434	2436	2834	2836
Opening Gross (IV) bbl	5162	5182	5262	5282	5362	5382	5462	5482	5862	5882
Opening Net (GSV) bbl	5163	5183	5263	5283	5363	5383	5463	5483	5863	5883
Opening NSV bbl	5165	5185	5265	5285	5365	5385	5465	5485	5865	5885
Opening Mass Pounds - klb for 74.30	5164	5184	5264	5284	5364	5384	5464	5484	5864	5884
Closing Gross (IV) bbl	5105	5174	5205	5274	5305	5374	5405	5474	5805	5874
Closing Gross (IV) bbl Rollover Flag	2113	2129	2213	2229	2313	2329	2413	2429	2813	2829
Closing Net (GSV) bbl	5106	5175	5206	5275	5306	5375	5406	5475	5806	5875
Closing Net (GSV) bbl Rollover Flag	2114	2130	2214	2230	2314	2330	2414	2430	2814	2830
Closing NSV bbl	5108	5177	5208	5277	5308	5377	5408	5477	5808	5877
Closing NSV bbl Rollover Flag	2116	2132	2216	2232	2316	2332	2416	2432	2816	2832
Closing Mass Pounds - klb for 74.30	5107	5176	5207	5276	5307	5376	5407	5476	5807	5876
Closing Mass Pounds Rollover Flag	2115	2131	2215	2231	2315	2331	2415	2431	2815	2831
Daily Flow Weighted Averages:										
Temperature Deg. F	7129	8531	7229	8631	7329	8731	7429	8831		
Pressure PSIG	7130	8532	7230	8632	7330	8732	7430	8832		
Flowing Density gm/cc	7131	8533	7231	8633	7331	8733	7431	8833		
Density Temp Deg.F	7132	8539	7232	8639	7332	8739	7432	8839		
Density Pres PSIG	7133	8540	7233	8640	7333	8740	7433	8840		
Flowing Sp. Gr.	7136	8537	7236	8637	7336	8737	7436	8837		
Flowing API	7134	8544	7234	8644	7334	8744	7434	8844		
Sp. Gr. @ 60 Deg.F	7137	8538	7237	8638	7337	8738	7437	8838		
API @ 60 Deg.F	7135	8530	7235	8630	7335	8730	7435	8830		
%S&W	8583	8547	8683	8647	8783	8747	8883	8847		
VCF	7138	8534	7238	8634	7338	8734	7438	8834		
CPL	7139	8535	7239	8635	7339	8735	7439	8835		
CTPL		8554		8654		8754		8854		
Meter Factor	5115	8536	5215	8636	5315	8736	5415	8836		
K Factor	7142	8543	7242	8643	7342	8743	7442	8843		

Revision 26 Default Daily Report

	Firmware		Firmware		Firmware		Firmware		Firmware	
	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later
	Meter 1 Data		Meter 2 Data		Meter 3 Data		Meter 4 Data		Station Data	
Meter ID Number	4114	4114	4214	4214	4314	4314	4414	4414	4815	
Product Number	5117	15517	5217	15617	5317	15717	5417	15817		
Product ID	4105	4145	4205	4245	4305	4345	4405	4445		
API Table Selected	4106	4146	4206	4246	4306	4346	4406	4446		
Day Start Date		4142		4242		4342		4442		
Day Start Time		4141		4241		4341		4441		
Day End Date		4144		4244		4344		4444		
Day End Time		4143		4243		4343		4443		
Daily Gross (IV) m3	5109	5154	5209	5254	5309	5354	5409	5454	5809	5854
Daily Gross (IV) m3 Rollover Flag	2109	2125	2209	2225	2309	2325	2409	2425	2809	2825
Daily Net (GSV) m3	5110	5155	5210	5255	5310	5355	5410	5455	5810	5855
Daily Net (GSV) m3 Rollover Flag	2110	2126	2210	2226	2310	2326	2410	2426	2810	2826
Daily NSV m3	5112	5157	5212	5257	5312	5357	5412	5457	5812	5857
Daily NSV m3 Rollover Flag	2112	2128	2212	2228	2312	2328	2412	2428	2812	2828
Daily Mass ton	5111	5156	5211	5256	5311	5356	5411	5456	5811	5856
Daily Mass ton Rollover Flag	2111	2127	2211	2227	2311	2327	2411	2427	2811	2827
m3 @ Deg.C	5197	5199	5297	5299	5397	5399	5497	5499	5897	5899
m3 @ Deg.C Rollover Flag	2134	2136	2234	2236	2334	2336	2434	2436	2834	2836
Opening Gross (IV) m3	5162	5182	5262	5282	5362	5382	5462	5482	5862	5882
Opening Net (GSV) m3	5163	5183	5263	5283	5363	5383	5463	5483	5863	5883
Opening NSV m3	5165	5185	5265	5285	5365	5385	5465	5485	5865	5885
Opening Mass ton	5164	5184	5264	5284	5364	5384	5464	5484	5864	5884
Closing Gross (IV) m3	5105	5174	5205	5274	5305	5374	5405	5474	5805	5874
Closing Gross (IV) m3 Rollover Flag	2113	2129	2213	2229	2313	2329	2413	2429	2813	2829
Closing Net (GSV) m3	5106	5175	5206	5275	5306	5375	5406	5475	5806	5875
Closing Net (GSV) m3 Rollover Flag	2114	2130	2214	2230	2314	2330	2414	2430	2814	2830
Closing NSV m3	5108	5177	5208	5277	5308	5377	5408	5477	5808	5877
Closing NSV m3 Rollover Flag	2116	2132	2216	2232	2316	2332	2416	2432	2816	2832
Closing Mass ton	5107	5176	5207	5276	5307	5376	5407	5476	5807	5876
Closing Mass ton Rollover Flag	2115	2131	2215	2231	2315	2331	2415	2431	2815	2831
Daily Flow Weighted Averages:										
Temperature Deg.C	7129	8531	7229	8631	7329	8731	7429	8831		
Pressure kPa	7130	8532	7230	8632	7330	8732	7430	8832		
Flowing Density kg/m3	7131	8533	7231	8633	7331	8733	7431	8833		
Density Temp Deg.C	7132	8539	7232	8639	7332	8739	7432	8839		
Density Pres kPa	7133	8540	7233	8640	7333	8740	7433	8840		
Density @ Ref. Deg.C	7137	8538	7237	8638	7337	8738	7437	8838		
%S&W	8583	8547	8683	8647	8783	8747	8883	8847		
VCF	7138	8534	7238	8634	7338	8734	7438	8834		
CPL	7139	8535	7239	8635	7339	8735	7439	8835		
CTPL		8554		8654		8754		8854		
Meter Factor	5115	8536	5215	8636	5315	8736	5415	8836		
K Factor	7142	8543	7242	8643	7342	8743	7442	8843		

Revision 23 Default Daily Report

	Firmware		Firmware		Firmware		Firmware		Firmware	
	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later	Pre xx.xx.30	xx.xx.30 and later
	Meter 1 Data		Meter 2 Data		Meter 3 Data		Meter 4 Data		Station Data	
Meter ID	4114	4114	4214	4214	4314	4314	4414	4414	4815	
Product ID	4105	4105	4205	4205	4305	4305	4405	4405		
Batch Start Date	4101	4101	4201	4201	4301	4301	4401	4401		
Batch Start Time	4102	4102	4202	4202	4302	4302	4402	4402		
Daily Gross MCF	5109	5154	5209	5254	5309	5354	5409	5454	5809	5854
Daily Net MSCF	5110	5155	5210	5255	5310	5355	5410	5455	5810	5855
Daily Mass KLB	5111	5156	5211	5256	5311	5356	5411	5456	5811	5856
Daily Energy MMBTU	5112	5157	5212	5257	5312	5357	5412	5457	5812	5857
Cumulative Gross MCF	5105	5178	5205	5278	5305	5378	5405	5478	5805	5878
Cumulative Net MSCF	5106	5179	5206	5279	5306	5379	5406	5479	5806	5879
Cumulative Mass KLB	5107	5180	5207	5280	5307	5380	5407	5480	5807	5880
Cum. Energy MMBTU	5108	5181	5208	5281	5308	5381	5408	5481	5808	5881
Daily Averages:										
Transducer Deg.F	7129	8531	7229	8631	7329	8731	7429	8831		
Transducer PSIG	7130	8532	7230	8632	7330	8732	7430	8832		
DP in. H2O	7137	8534	7237	8634	7337	8734	7437	8834		
Density Temp Deg.F	7132	8539	7232	8639	7332	8739	7432	8839		
Density Pres PSIG	7133	8540	7233	8640	7333	8740	7433	8840		
Dens in Use Lb/Ft3	7131	8533	7231	8633	7331	8733	7431	8833		
K Factor	8535	8535	8635	8635	8735	8735	8835	8835		
Meter Factor	8536	8536	8636	8636	8736	8736	8836	8836		
Orifice Diameter in.	7136	8538	7236	8638	7336	8738	7436	8838		
Discharge Coeff.	7134	8536	7234	8636	7334	8736	7434	8836		
Velocity Factor	7128	8535	7228	8635	7328	8735	7428	8835		
Expansion Factor Y1	7135	8537	7235	8637	7335	8737	7435	8837		

Revision 27 Default Daily Report

	Firmware		Firmware		Firmware		Firmware		Firmware	
	Pre	xx.xx.30	Pre	xx.xx.30	Pre	xx.xx.30	Pre	xx.xx.30	Pre	xx.xx.30
	xx.xx.30 and later	and later	xx.xx.30 and later	and later	xx.xx.30 and later	and later	xx.xx.30 and later	and later	xx.xx.30 and later	and later
Meter ID	Meter 1 Data		Meter 2 Data		Meter 3 Data		Meter 4 Data		Station Data	
Product ID	4105	4105	4205	4205	4305	4305	4405	4405	4815	
Daily Gross am3	5109	5154	5209	5254	5309	5354	5409	5454	5809	5854
Daily Gross am3 Rollover Flag	2109	2125	2209	2225	2309	2325	2409	2425	2809	2825
Daily Net Total nm3	5110	5155	5210	5255	5310	5355	5410	5455	5810	5855
Daily Net Total nm3 Rollover Flag	2110	2126	2210	2226	2310	2326	2410	2426	2810	2826
Daily Mass Total Ton	5111	5156	5211	5256	5311	5356	5411	5456	5811	5856
Daily Mass Total Ton Rollover Flag	2111	2127	2211	2227	2311	2327	2411	2427	2811	2827
Daily Energy GJ	5112	5157	5212	5257	5312	5357	5412	5457	5812	5857
Daily Energy GJ Rollover Flag	2112	2128	2212	2228	2312	2328	2412	2428	2812	2828
Cumulative Gross m3	5105	5178	5205	5278	5305	5378	5405	5478	5805	5878
Cumulative Gross m3 Rollover Flag	2113	2129	2213	2229	2313	2329	2413	2429	2813	2829
Cumulative Net nm3	5106	5179	5206	5279	5306	5379	5406	5479	5806	5879
Cumulative Net nm3 Rollover Flag	2114	2130	2214	2230	2314	2330	2414	2430	2814	2830
Cumulative Mass Ton	5107	5180	5207	5280	5307	5380	5407	5480	5807	5880
Cumulative Mass Ton Rollover Flag	2115	2131	2215	2231	2315	2331	2415	2431	2815	2831
Cumu. Energy GJ	5108	5181	5208	5281	5308	5381	5408	5481	5808	5881
Cumu. Energy GJ Rollover Flag	2116	2132	2216	2232	2316	2332	2416	2432	2816	2832
Daily Averages:										
Temperature Deg.C	7129	8531	7229	8631	7329	8731	7429	8831		
Pressure kPa	7130	8532	7230	8632	7330	8732	7430	8832		
Pressure Bar	7130	8532	7230	8632	7330	8732	7430	8832		
Pressure kg/cm2	7130	8532	7230	8632	7330	8732	7430	8832		
Diff. Pressure kPa	7137	8534	7237	8634	7337	8734	7437	8834		
Diff. Pres MilliBar	7137	8534	7237	8634	7337	8734	7437	8834		
Density Temp Deg.C	7132	8539	7232	8639	7332	8739	7432	8839		
Density Pres kPa	7133	8540	7233	8640	7333	8740	7433	8840		
Density Pres Bar	7133	8540	7233	8640	7333	8740	7433	8840		
Density Pres kg/cm2	7133	8540	7233	8640	7333	8740	7433	8840		
Dens in Use kg/m3	7131	8533	7231	8633	7331	8733	7431	8833		
K Factor	8535	8535	8635	8635	8735	8735	8835	8835		
Meter Factor	8536	8536	8636	8636	8736	8736	8836	8836		
Orifice Diameter mm.	7136	8538	7236	8638	7336	8738	7436	8838		
Discharge Coeff.	7134	8536	7234	8636	7334	8736	7434	8836		
Velocity Factor	7128	8535	7228	8635	7328	8735	7428	8835		
Expansion Factor Y	7135	8537	7235	8637	7335	8737	7435	8837		

DOCUMENT REVISION HISTORY

DOCUMENT INITIAL RELEASE DATE..... 05-March-2008

<u>REVISION</u>	<u>DATE</u>	<u>PURPOSE / CHANGE REQUEST</u>
A	05-March-2008	Maintained on the Web - Initial release
B	13-March-2009	DCR 080025