

Lampiran 1. Data Alarm
Alarm Unschedule Shut Down 2007

Date	Time	Alarm Shutdown	Date	Time	Alarm Shutdown
5-Jan-07	11:30 PM	low-low Oxygen	24-Feb-07	5:00 AM	Loss of flame
7-Jan-07	1:00 AM	Loss of flame		10:30 PM	Loss of flame
10-Jan-07	12:30 AM	Loss of flame	25-Feb-07	7:25 AM	Loss of flame
12-Jan-07	1:00 AM	Loss of flame		7:30 PM	Loss of flame
17-Jan-07	12:00 AM	Loss of flame		8:10 PM	Low combustion Problem
19-Jan-07	10:25 AM	low-low Oxygen	26-Feb-07	7:00 PM	Loss of flame
21-Jan-07	4:20 PM	Loss of flame	27-Feb-07	6:07 AM	Loss of flame
28-Jan-07	3:00 AM	Loss of flame	28-Feb-07	3:00 AM	Loss of flame
30-Jan-07	12:00 AM	low-low Oxygen	2-Mar-07	3:00 PM	low-low Oxygen
1-Feb-07	8:40 PM	low-low Oxygen	3-Mar-07	11:00 PM	Loss of flame
6-Feb-07	1:00 AM	Loss of flame	5-Mar-07	2:00 PM	Loss of flame
11-Feb-07	6:10 PM	Loss of flame		2:45 PM	Loss of flame
12-Feb-07	1:20 PM	low-low Oxygen		6:00 PM	Loss of flame
14-Feb-07	4:00 AM	Loss of flame	6-Mar-07	2:30 PM	low-low Oxygen
16-Feb-07	6:30 AM	Loss of flame		10:45 PM	Loss of flame
18-Feb-07	2:50 PM	Loss of flame	7-Mar-07	8:00 AM	Loss of flame
22-Feb-07	6:40 AM	Loss of flame	8-Mar-07	9:00 AM	low-low Oxygen
23-Feb-07	12:30 AM	Loss of flame	9-Mar-07	3:00 PM	Loss of flame
	10:10 AM	Low combustion Problem		4:00 PM	Loss of flame
10-Mar-07	9:00 AM	Loss of flame	14-Apr-07	1:00 PM	Loss of flame
	3:00 PM	Loss of flame	15-Apr-07	11:30 PM	low-low Oxygen
	11:30 PM	Loss of flame		12:00 AM	Loss of flame
11-Mar-07	6:00 AM	Loss of flame	18-Apr-07	12:30 AM	low-low Oxygen
12-Mar-07	12:00 AM	Loss of flame		11:00 AM	low-low Oxygen
13-Mar-07	1:00 PM	low-low Oxygen		12:00 PM	Loss of flame
15-Mar-07	2:40 AM	low-low Oxygen		7:40 PM	Loss of flame
16-Mar-07	1:30 AM	low-low Oxygen	17-Apr-07	1:10 PM	low-low Oxygen
	10:00 AM	low-low Oxygen		3:40 PM	low-low Oxygen
	7:00 PM	low-low Oxygen		4:20 PM	low-low Oxygen
17-Mar-07	10:00 AM	High flue gas	19-Apr-07	7:30 PM	Low combustion Problem
23-Mar-07	10:00 AM	low-low Oxygen	20-Apr-07	4:00 AM	low-low Oxygen
25-Mar-07	5:00 PM	low-low Oxygen		10:00 AM	low-low Oxygen
26-Mar-07	1:20 PM	low-low Oxygen	21-Apr-07	3:00 AM	Loss of flame
26-Mar-07		low fuel flow		7:00 PM	Loss of flame
26-Mar-07	7:30 PM	low fuel flow	22-Apr-07	1:00 PM	Loss of flame
	4:00 PM	low fuel flow		5:00 PM	Low combustion Problem
29-Mar-07	5:00 PM	low fuel flow	23-Apr-07	12:25 AM	Loss of flame
	10:00 PM	low fuel flow		7:30 PM	Loss of flame
30-Mar-07	8:30 AM	Low-low Oxygen		10:30 PM	low-low Oxygen
2-Apr-07	4:30 AM	Low-low Oxygen	24-Apr-07	12:00 AM	Loss of flame
	10:30 PM	Low-low Oxygen		1:40 AM	Loss of flame
3-Apr-07	7:50 AM	Low-low Oxygen		7:30 AM	low-low Oxygen
	7:00 PM	Low-low Oxygen		9:00 AM	low-low Oxygen
4-Apr-07	1:00 AM	loss of flame		9:45 AM	Loss of flame
	3:00 AM	loss of flame	25-Apr-07	12:00 AM	low-low Oxygen

Date	Time	Alarm shutdown	Date	Time	Alarm shutdown
	8:40 AM	Low-low Oxygen		9:00 AM	Loss of flame
	10:00 PM	loss of flame		12:00 PM	Loss of flame
5-Apr-07	10:00 AM	Loss of flame	26-Apr-07	12:30 AM	low-low Oxygen
	8:00 PM	Loss of flame		2:30 PM	low-low Oxygen
5-Apr-07	12:30 AM	Loss of flame		3:00 PM	Loss of flame
8-Apr-07	8:00 AM	Low combustion Problem		4:30 PM	Loss of flame
9-Apr-07	12:45 AM	Loss of flame		8:30 PM	Loss of flame
	9:00 AM	Loss of flame	27-Apr-07	1:00 PM	Loss of flame
	10:30 AM	Loss of flame		8:30 PM	Loss of flame
	2:35 PM	Low-low Oxygen	28-Apr-07	10:00 AM	Loss of flame
10-Apr-07	5:00 AM	Loss of flame		7:00 PM	Loss of flame
	12:00 AM	Loss of flame	28-Apr-07	3:00 AM	low-low Oxygen
12-Apr-07	3:00 AM	Loss of flame		5:30 AM	low-low Oxygen
	1:00 PM	Loss of flame		10:40 AM	low-low Oxygen
	4:00 PM	Loss of flame		4:00 PM	low-low Oxygen
13-Apr-07	1:00 AM	Loss of flame		9:45 PM	Loss of flame
	5:30 AM	Loss of flame	30-Apr-07	3:00 PM	low-low Oxygen
	7:00 AM	Loss of flame		4:00 PM	Loss of flame
	8:00 AM	Low-low Oxygen		11:00 PM	Loss of flame
	11:25 AM	Loss of flame	1-May-07	4:00 PM	Loss of flame
	12:00 PM	Low-low Oxygen	2-May-07	7:30 AM	Loss of flame
	5:00 PM	high flue gas		12:30 PM	Loss of flame
	10:30 PM	Loss of flame		1:00 PM	Loss of flame
3-May-07	12:00 AM	Loss of flame		2:00 PM	Loss of flame
	7:15 AM	Low-low Oxygen	22-May-07	5:00 AM	Loss of flame
	1:00 PM	low fuel flow		1:00 PM	Loss of flame
	6:00 PM	Loss of flame	23-May-07	1:00 AM	Loss of flame
4-May-07	12:30 AM	Low-low Oxygen		11:00 PM	Loss of flame
	1:30 AM	Low-low Oxygen	24-May-07	1:00 PM	low-low Oxygen
	10:00 AM	Low-low Oxygen		5:00 PM	Loss of flame
	11:00 PM	Loss of flame	25-May-07	9:20 AM	Loss of flame
5-May-07	12:10 AM	Loss of flame		10:30 PM	low-low Oxygen
	6:20 AM	loss of flame	26-May-07	8:00 AM	Loss of flame
	10:00 AM	Low-low Oxygen		7:30 PM	Loss of flame
6-May-07	2:30 AM	loss of flame		8:30 PM	Loss of flame
	8:00 AM	loss of flame	27-May-07	12:00 AM	Loss of flame
	9:00 AM	Low Combustion Problem	28-May-07	5:40 PM	Loss of flame
	5:00 PM	loss of flame		7:30 PM	Loss of flame
	6:30 PM	loss of flame	29-May-07	2:00 AM	low-low Oxygen
	11:30 PM	loss of flame		4:15 PM	Loss of flame
10-May-07	5:30 AM	loss of flame	30-May-07	5:15 AM	low-low Oxygen
	8:07 AM	loss of flame		4:00 PM	low-low Oxygen
	4:45 PM	Low-low Oxygen	1-Jun-07	8:00 AM	Loss of flame
	5:00 PM	loss of flame		2:10 PM	Loss of flame
11-May-07	10:00 AM	loss of flame		7:00 PM	Loss of flame
	11:00 AM	loss of flame	2-Jun-07	9:30 AM	low-low Oxygen

Date	Time	Alarm Shutdown	Date	Time	Alarm Shutdown
12-May-07	8:30 AM	loss of flame	3-Jun-07	5:00 PM	low-low Oxygen
	8:00 PM	loss of flame		8:30 PM	low-low Oxygen
13-May-07	1:00 AM	loss of flame	4-Jun-07	12:10 AM	low-low Oxygen
	2:30 AM	loss of flame		11:35 AM	low-low Oxygen
	11:30 AM	loss of flame	5-Jun-07	4:00 AM	Loss of flame
	4:15 PM	loss of flame	6-Jun-07	11:15 PM	Loss of flame
	11:00 PM	loss of flame	7-Jun-07	12:30 AM	Loss of flame
14-May-07	12:55 PM	loss of flame	8-Jun-07	5:00 AM	Loss of flame
15-May-07	5:30 AM	Loss of flame		9:00 AM	Low combustion Problem
	10:20 AM		9-Jun-07	2:30 PM	Loss of flame
	3:00 PM	Low-low Oxygen	10-Jun-07	2:00 AM	Loss of flame
16-May-07	5:30 AM	Loss of flame	12-Jun-07	2:00 AM	Loss of flame
	9:00 AM	Loss of flame	14-Jun-07	3:30 PM	Loss of flame
	11:00 AM	Loss of flame		8:30 PM	Loss of flame
	7:10 PM	Loss of flame	15-Jun-07	3:00 AM	Loss of flame
17-May-07	8:00 AM	Loss of flame		8:00 PM	Loss of flame
	8:00 PM	Loss of flame	16-Jun-07	6:00 AM	low-low Oxygen
18-May-07	1:00 AM	Low combustion Problem		8:00 PM	low-low Oxygen
	9:00 PM	Loss of flame	17-Jun-07	1:00 AM	Loss of flame
20-May-07	3:00 AM	Loss of flame			Low combustion Problem
	3:00 PM	Loss of flame	21-Jun-07	7:30 PM	low-low Oxygen
	7:00 PM	Loss of flame	22-Jun-07	12:00 AM	low-low Oxygen
21-May-07	1:20 AM	Loss of flame		7:00 AM	Loss of flame
	8:35 AM	Loss of flame		8:30 PM	Loss of flame
	7:30 PM	Loss of flame	5-Oct-07	4:00 AM	Loss of flame
23-Jun-07	6:30 AM	Loss of flame		5:00 AM	Loss of flame
24-Jun-07	6:15 PM	Low-low Oxygen	9-Oct-07	8:07 AM	Loss of flame
26-Jun-07	9:07 AM	Low-low Oxygen	10-Oct-07	9:30 AM	Loss of flame
					Low combustion Problem
6-Jul-07	8:00 PM	Loss of flame	23-Oct-07	3:00 AM	Loss of flame
8-Jul-07	4:30 PM	Loss of flame	27-Oct-07	6:20 AM	Loss of flame
	8:00 PM	Loss of flame	30-Oct-07	6:00 PM	Loss of flame
10-Jul-07	5:00 AM	Loss of flame	1-Nov-07	12:00 AM	Loss of flame
				12:50 PM	Loss of flame
11-Jul-07	8:30 AM	Loss of flame		1:30 PM	Loss of flame
19-Jul-07	7:30 AM	Low-low Oxygen			
24-Jul-07	8:00 AM	Loss of flame	18-Nov-07	10:30 PM	Loss of flame
28-Jul-07	8:00 AM	Loss of flame			Low combustion Problem
	9:00 AM	loss of flame			Low combustion Problem
29-Jul-07	1:00 AM	loss of flame	25-Nov-07	8:00 AM	high flue gas
30-Jul-07	2:00 PM	loss of flame		10:00 PM	low-low Oxygen
1-Aug-07	1:00 PM	loss of flame		11:00 PM	low-low Oxygen
3-Aug-07	8:30 AM	loss of flame	26-Nov-07	12:00 PM	low-low Oxygen

Lampiran 2. Trial Visual Check Recovered Oil
 Hasil Trial data lapangan sebagai validasi Data *Accumulation Recovered Oil*

Date	Visual Check the stack → Black Smoke/ White Smoke/no smoke	Reading Pressure Gauge located between Rec. Oil CV (AO 714) and Rec. Oil Block Valve (DO 246) (kg/cm ²)	Visual Check of burner tip condition (fire performance: strong/poor/good)	Remark (SHDN or NSHDN) If SHDN please explain: low low O ₂ , loss of flame, or... etc	% O ₂ before Rec Oil start	% O ₂ at the end (spike occur)	Delta	Remarks : explain the step 'transition from vent gas to ramp up rec.oil.... OR - run to ramp up rec.oil (no switch from vent gas)
22-Mar-08	No smoke	0	good fire	NSHDN	11.5	9.9	1.6	transition from vent gas to ramp up rec. oil
23-Mar-08	Black smoke	3.5	good fire	NSHDN	10.1	5.6	4.5	transition from vent gas to ramp up rec. oil
23-Mar-08	Black smoke	4.5	good fire	SHDN(low-low O ₂)	7.07	1.98	5.09	Transition from vent gas to ramp up rec. oil
23-Mar-08	Little bit smoke	0	good fire	NSHDN	13.1	9.2	3.9	Ramp up fuel oil and ramp up rec. oil
23-Mar-08	No smoke	4	good fire	SHDN(low-low O ₂)	no data	no data	no data	Transition from vent gas to ramp up rec. oil
23-Mar-08	Little bit smoke	0	good fire	NSHDN	13.29	8.71	4.58	Ramp up fuel oil and ramp up rec. oil
25-Mar-08	no data (night shift)	5.5 kg/cm ² (operator released the pressure until 0 kg/cm ²)	good fire	NSHDN	10.2	10.2	0	Transition from vent gas to ramp up rec. oil
25-Mar-08	no data (night shift)	4	good fire	NSHDN	13.5	7.46	6.04	Ramp up fuel oil and ramp up rec. oil
25-Mar-08	Little bit smoke	2.5 kg/cm ² (operator released the pressure until 0 kg/cm ²)	good fire	NSHDN	8.46	6.16	2.3	Transition from vent gas to ramp up rec. oil
25-Mar-08	no data (night shift)	4	good fire	NSHDN	13.4	8.3	5.1	Ramp up fuel oil and ramp up rec. oil

Date	Visual Check the stack → Black Smoke/ White Smoke/no smoke	Reading Pressure Gauge located between Rec.Oil CV (AO 714) and Rec. Oil Block Valve (DO 246) (kg/cm ²)	Visual Check of burner tip condition (fire performance: strong/poor/good)	Remark (SHDN or NSHDN) If SHDN please explain: low low O ₂ , loss of flame, or... etc	% O ₂ before Rec Oil start	% O ₂ at the end (spike occur)	Delta	Remarks : explain the step 'transition from vent gas to ramp up rec.oil.... OR - run to ramp up rec.oil (no switch from vent gas)
27-Mar-08	Little bit smoke	0	good fire	NSHDN	10.4	10.2	0.2	Ramp up fuel oil and ramp up rec. oil
27-Mar-08	No smoke	0	good fire	NSHDN	10.5	6.5	4	Transition from vent gas to ramp up rec oil
27-Mar-08	No smoke	0	good fire	NSHDN	10.1	8.9	1.2	Transition from vent gas to ramp up rec.oil
27-Mar-08	night	4	good fire	NSHDN	13.4	9.1	4.3	Ramp up fuel oil and ramp up rec. oil
27-Mar-08	night	4	good fire	NSHDN	13.5	10.3	3.2	Ramp up fuel oil and ramp up rec. oil
27-Mar-08	night	2.5	good fire	NSHDN	10.3	3.7	6.6	Transition from vent gas to ramp up rec oil
28-Mar-08	night	4	good fire	NSHDN	13.46	8.4	5.06	ramp up fuel oil and ramp up rec oil
30-Mar-08	No smoke	5.5 drain until 0	good fire	NSHDN	10.08	10.05	0.03	max fuel oil to ramp up rec oil
30-Mar-08	night	3 drain until 0	good fire	NSHDN	10.2	6.8	3.4	Transition from vent gas to ramp up rec. oil
31-Mar-08	Black smoke	3	good fire	NSHDN	10.1	7.89	2.21	ramp up fuel oil and ramp up rec. oil
31-Mar-08	Black smoke	3	good fire	NSHDN	13.4	10.9	2.5	ramp up fuel oil and ramp up rec. oil
31-Mar-08	No smoke	3.2	good fire	NSHDN	10	6.3	3.7	Transition from vent gas to ramp up rec.oil
2-Apr-08	No smoke	5.5 drain until 0	good fire	NSHDN	9.8	7.5	2.3	Transition from vent gas to ramp up rec. oil
2-Apr-08	Black smoke	5	good fire	NSHDN	11.6	5.7	5.9	Stop rec. oil & start rec.oil again
2-Apr-08	No smoke	1 drain until 0	good fire	NSHDN	12.8	10.2	2.6	Transition from vent gas to ramp up rec. oil

Date	Visual Check the stack → Black Smoke/ White Smoke/no smoke	Reading Pressure Gauge located between Rec. Oil CV (AO 714) and Rec. Oil Block Valve (DO 246) (kg/cm ²)	Visual Check of burner tip condition (fire performance: strong/poor/good)	Remark (SHDN or NSHDN) If SHDN please explain: low low O ₂ , loss of flame, or... etc	% O ₂ before Rec Oil start	% O ₂ at the end (spike occur)	Delta	Remarks : explain the step '-transition from vent gas to ramp up rec.oil.... OR - run to ramp up rec.oil (no switch from vent gas)
2-Apr-08	No smoke	2 drain until 0	good fire	NSHDN	10.3	8.4	1.9	Transition from vent gas to ramp up rec.oil
3-Apr-08	No smoke	2.5 drain until 0	good fire	NSHDN	10.2	8.4	1.8	high fuel oil to ramp up rec.oil
3-Apr-08	little bit smoke	1.5	good fire	NSHDN	13.6	6.7	6.9	ramp up fuel oil and ramp up rec.oil
3-Apr-08	No smoke	4 drain until 0	good fire	NSHDN	10.2	7.3	2.9	Transition from vent gas to ramp up rec.oil
4-Apr-08	No smoke	5.5 drain until 0	good fire	NSHDN	10.1	8.4	1.7	Transition from vent gas to ramp up rec.oil
4-Apr-08	Black smoke	1.5	good fire	NSHDN	10.8	6.4	4.4	Stop rec.oil & start rec.oil again
4-Apr-08	Black smoke	1	good fire	NSHDN	11.6	8.1	3.5	Stop rec.oil & start rec.oil again
4-Apr-08	Little bit smoke	2 drain until 0	good fire	NSHDN	10	8	2	Transition from vent gas to ramp up rec.oil
5-Apr-08	No smoke	5 drain until 0	good fire	NSHDN	9.9	9.7	0.2	high fuel oil to ramp up rec.oil
5-Apr-08	Black smoke	1.5	good fire	NSHDN	12.5	7.7	4.8	Transition from vent gas to ramp up rec.oil
5-Apr-08	Black smoke	2	good fire	NSHDN	12.5	8.4	4.1	Transition from vent gas to ramp up rec.oil
5-Apr-08	Black smoke	3.5	good fire	NSHDN	13.6	9.3	4.3	ramp up fuel oil and ramp up rec.oil
5-Apr-08	Black smoke	2	good fire	NSHDN	12.4	7.3	5.1	Transition from vent gas to ramp up rec.oil
5-Apr-08	No smoke	2.5 drain until 0	good fire	NSHDN	12.5	12	0.5	ramp up fuel oil and ramp up rec.oil
5-Apr-08	Black smoke	5.5 drain until 1	good fire	NSHDN	10.4	4.8	5.6	Transition from vent gas to ramp up rec.oil

Date	Visual Check the stack → Black Smoke/ White Smoke/no smoke	Reading Pressure Gauge located between Rec. Oil CV (AO 714) and Rec. Oil Block Valve (DO 246) (kg/cm2)	Visual Check of burner tip condition (fire performance: strong/poor/good)	Remark (SHDN or NSHDN) If SHDN please explain: low low O2, loss of flame, or... etc	% O2 before Rec Oil start	% O2 at the end (spike occur)	Delta	Remarks : explain the step 'transition from vent gas to ramp up rec. oil....OR - run to ramp up rec. oil (no switch from vent gas)
5-Apr-08	No smoke	2.5 drain until 1	good fire	NSHDN	13.1	11.7	1.4	ramp up fuel oil and ramp up rec. oil
6-Apr-08	No smoke	5.5 drain until 0	good fire	NSHDN	10	8.8	1.2	Transition from vent gas to ramp up rec. oil
6-Apr-08	Black smoke	1	good fire	NSHDN	11.3	7.2	4.1	Stop rec. oil & start rec. oil again
6-Apr-08	Black smoke	1.5	good fire	NSHDN	11.2	5.7	5.5	Stop rec. oil & start rec. oil again
6-Apr-08	Little bit smoke	3.5 drain until 0	good fire	NSHDN	10	6.2	3.8	Transition from vent gas to ramp up rec. oil
7-Apr-08	No smoke	5 drain until 0	good fire	NSHDN	10.2	8.7	1.5	Transition from vent gas to ramp up rec. oil
7-Apr-08	Black smoke	1	good fire	NSHDN	12.1	6.8	5.3	Stop rec. oil & start rec. oil again
7-Apr-08	No smoke	1 drain until 0	good fire	NSHDN	13.3	12.3	1	ramp up fuel oil and ramp up rec. oil
7-Apr-08	Little bit smoke	0.5	good fire	NSHDN	13.3	9.7	3.6	ramp up fuel oil and ramp up rec. oil
7-Apr-08	Little bit smoke	5 drain until 0	good fire	NSHDN	10.4	6.2	4.2	Transition from vent gas to ramp up rec. oil
7-Apr-08	Black smoke	0.5	good fire	NSHDN	10.2	4.8	5.4	Transition from vent gas to ramp up rec. oil
8-Apr-08	Black smoke	0.5	good fire	NSHDN	10.3	5.7	4.6	Transition from vent gas to ramp up rec. oil
8-Apr-08	Little bit smoke	0.5	good fire	NSHDN	13.3	7.8	5.5	ramp up fuel oil and ramp up rec. oil
8-Apr-08	No smoke	3 drain until 0	good fire	NSHDN	13.2	10.5	2.7	ramp up fuel oil and ramp up rec. oil
8-Apr-08	Black smoke	1	good fire	NSHDN	13.2	8.5	4.7	ramp up fuel oil and ramp up rec. oil
12-Apr	Black smoke	1.5	good fire	NSHDN	10	2.9	7.1	Stop rec. oil & start rec. oil again

Lampiran 3. Equivalence Table
 Hubungan antara Sigma dengan Defect Per Million
 Opportunity

Sigma	Sigma = Z short- term	Z long- term	DPMO (long-term)	% Out of Spec (long- term)	1 Defect per # of Opportunities (long-term)	Cpk (long- term)
6.0	6.0	4.5	3.40	0.00034	294,319.07	1.50
5.5	5.5	4.0	31.67	0.00317	31,574.39	1.33
5.0	5.0	3.5	232.63	0.02326	4,298.69	1.17
4.5	4.5	3.0	1,349.90	0.13499	740.80	1.00
4.0	4.0	2.5	6,209.67	0.62097	161.04	0.83
3.5	3.5	2.0	22,750.13	2.27501	43.96	0.67
3.0	3.0	1.5	66,807.20	6.68072	14.97	0.50
2.5	2.5	1.0	158,655.25	15.86553	6.30	0.33
2.0	2.0	0.5	308,537.54	30.85375	3.24	0.17
1.5	1.5	0.0	500,000.00	50.00000	2.00	0.00
1.0	1.0	-0.5	691,462.46	69.14625	1.45	-0.17
0.5	0.5	-1.0	841,344.75	84.13447	1.19	-0.33
0.0	0.0	-1.5	933,192.80	93.31928	1.07	-0.50
-0.5	-0.5	-2.0	977,249.87	97.72499	1.02	-0.67
-1.0	-1.0	-2.5	993,790.33	99.37903	1.01	-0.83
-1.5	-1.5	-3.0	998,650.10	99.86501	1.00	-1.00
-2.0	-2.0	-3.5	999,767.37	99.97674	1.00	-1.17
-2.5	-2.5	-4.0	999,968.33	99.99683	1.00	-1.33
-3.0	-3.0	-4.5	999,996.60	99.99966	1.00	-1.50
-3.5	-3.5	-5.0	999,999.71	99.99997	1.00	-1.67
-4.0	-4.0	-5.5	999,999.98	100.00000	1.00	-1.83
-4.5	-4.5	-6.0	1,000,000.00	100.00000	1.00	-2.00