

## FSFE - DAILY PROCESS REVIEW

Selected Production Day

30-Nov-14

## KPIs

## FOCUS FOR THE DAY:

## HIGHLIGHTS:

Task Id	Title	Task	Task by Name	Status
135	Soot Blower Repair	Repair of Soot Blower 21 - Possible trigger of re-increase of uptake delta T	Gil T. Nepomuceno	Close
136	Service Water Interruption	Service water interruption due to LMC water pipe leak. Regular check of cooling water supply of each operations group. Target Completion 1200H	Victor M. Omega	Close
137	Substation C Airconditioning	Air conditioning failure at Substation C	Grosky P. Villarín	Close
139	Crane 2	0730H Crane 2 tripping	Gil T. Nepomuceno	Close

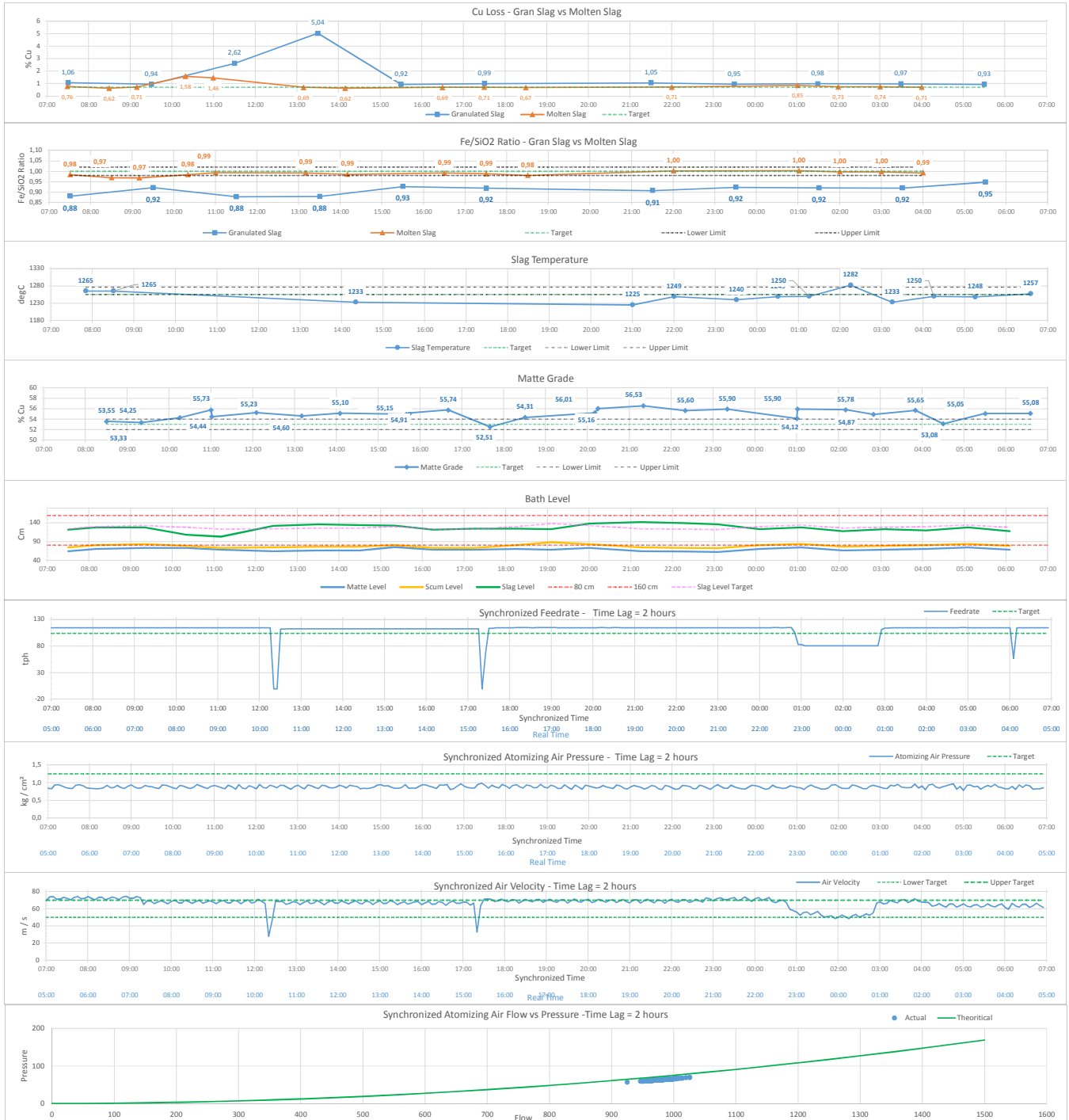
## Process KPIs

Item	Cu Loss Parameter	Range/Target	Unit	Day				% Compliance
				Avg	Min	Max	Std	
1	% Cu in Granulated Slag	0,7	% Cu	1,01	0,67	5,04	0,65	5%
2	% Cu in Melt Slag	0,7	% Cu	0,71	0,62	1,58	0,14	62%
3	Fe/SiO <sub>2</sub>	0.98-1.02	ratio	0,99	0,97	1,01	0,01	86%
7	Slag Temperature	above 1250	degC	1260	1197	1307	19	52%
2	Matte Grade	52% +/- 2	% Cu	54,08	11,86	59,06	5,71	27%
5	Matte + Scum Level	less than 80	cm	76	68	92	4	90%
6	Slag Level	below 50	cm	47	30	71	10	67%

## Production KPIs

Item	Production Parameters	Unit	Day	2nd Shift	3d Shift	1st Shift
1	Synchronized Plant Availability	%	99,62%			
2	Feed rate	tph	110	113	109	106
3	Cu in Feed	%	23,4%	23,8%	22,8%	23,4%
4	Dust rate	tph	2,5	1,9	3,2	2,6
5	Cu in Dust	%	27,4%	27,7%	27,4%	27,1%
6	Slag	tph	38	47	31	36
7	Ton Slag per Ton Charged Cu	ton	1,4	1,7	1,2	1,4
8	Cu in Slag	%	1,47%	1,94%	1,43%	0,90%
9	Cu Recovery	%	97,9%	96,7%	98,3%	98,7%
10	Matte	tph	50	47	50	52
11	Matte grade	%	55,19%	53,86%	56,13%	55,49%
12	Cu in Matte	tph	27,4	25,4	28,0	28,9

## MAIN PARAMETERS

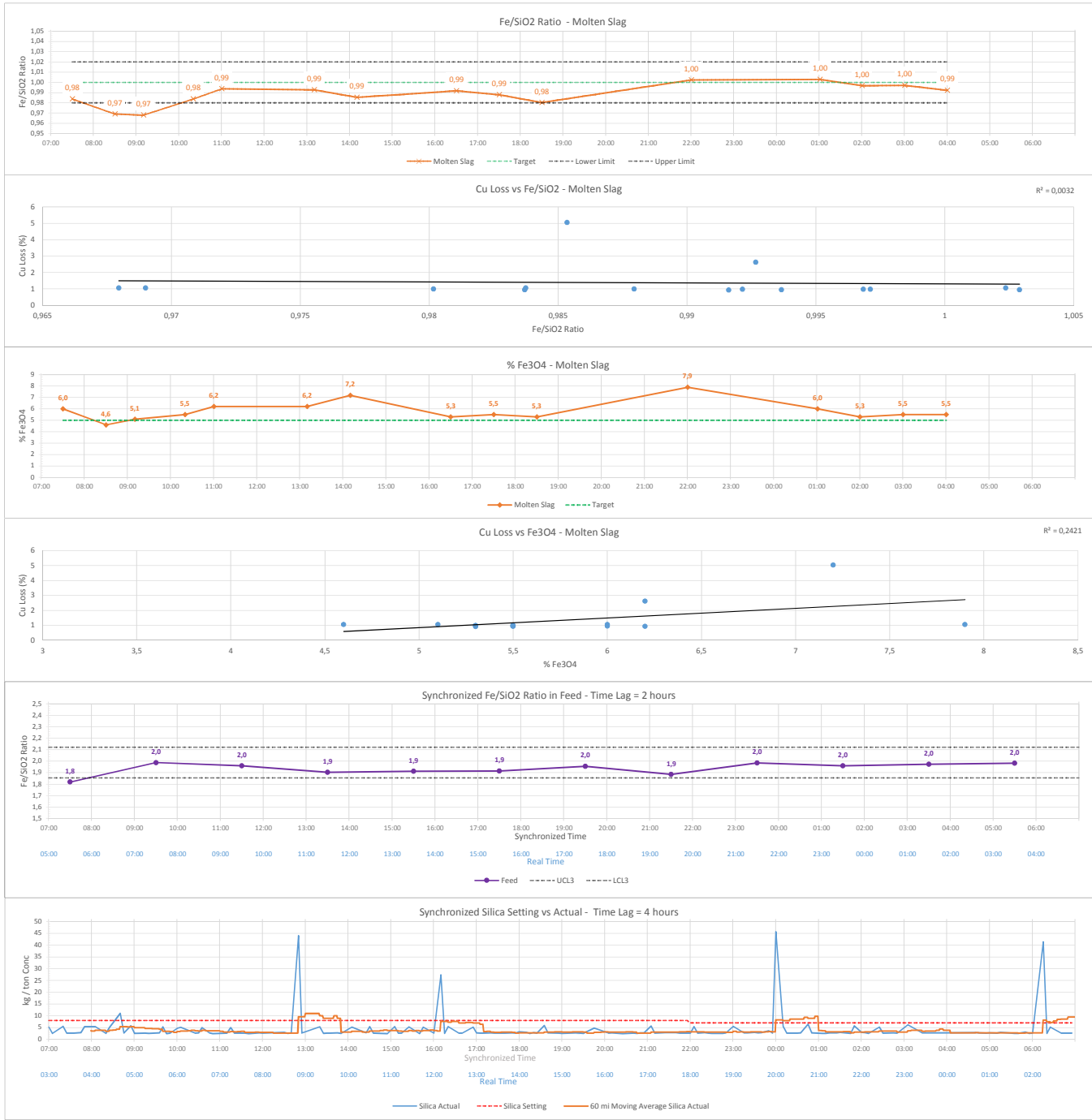


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## FE / SIO2 RATIO

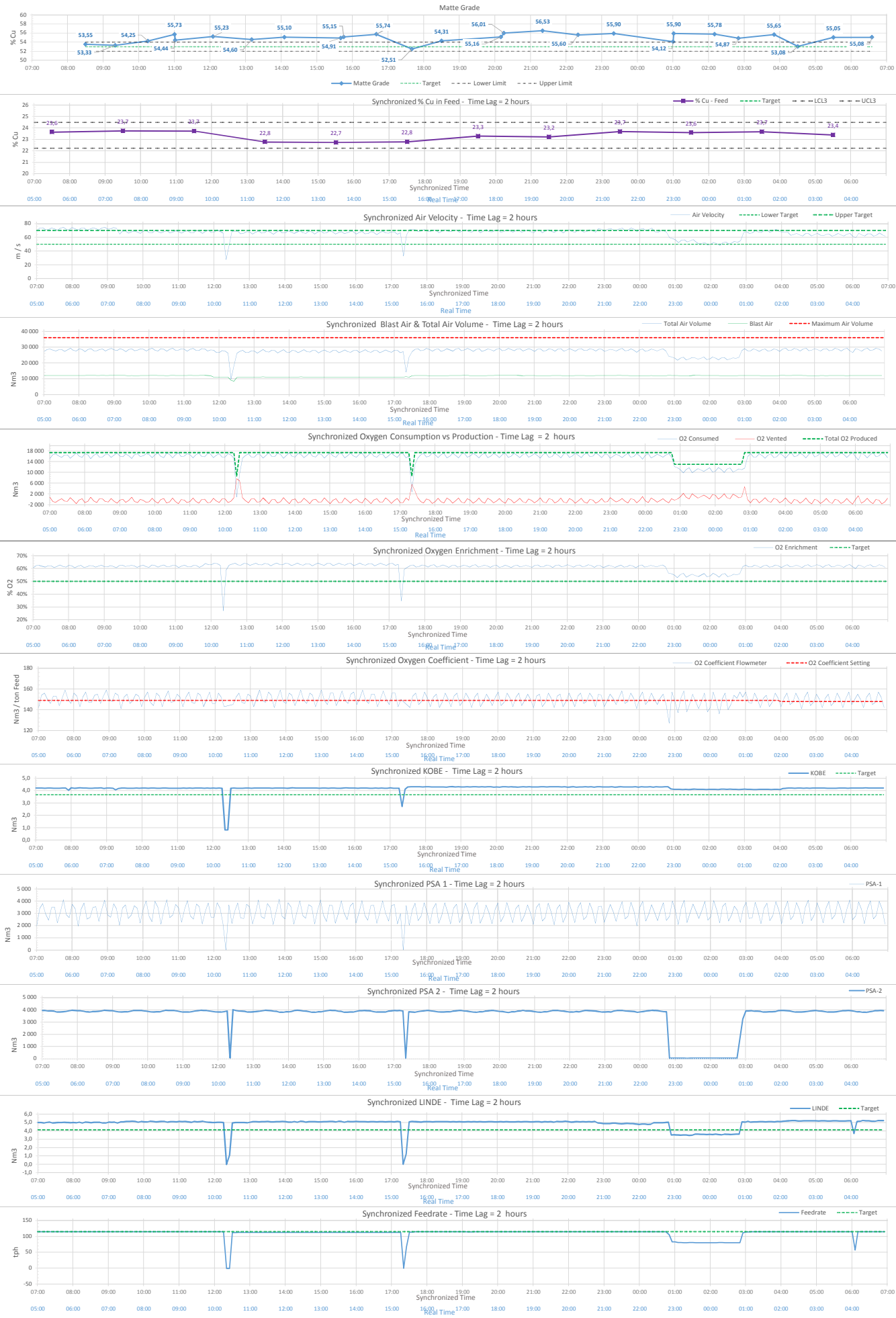


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## MATTE GRADE & OXYGEN COEFFICIENT

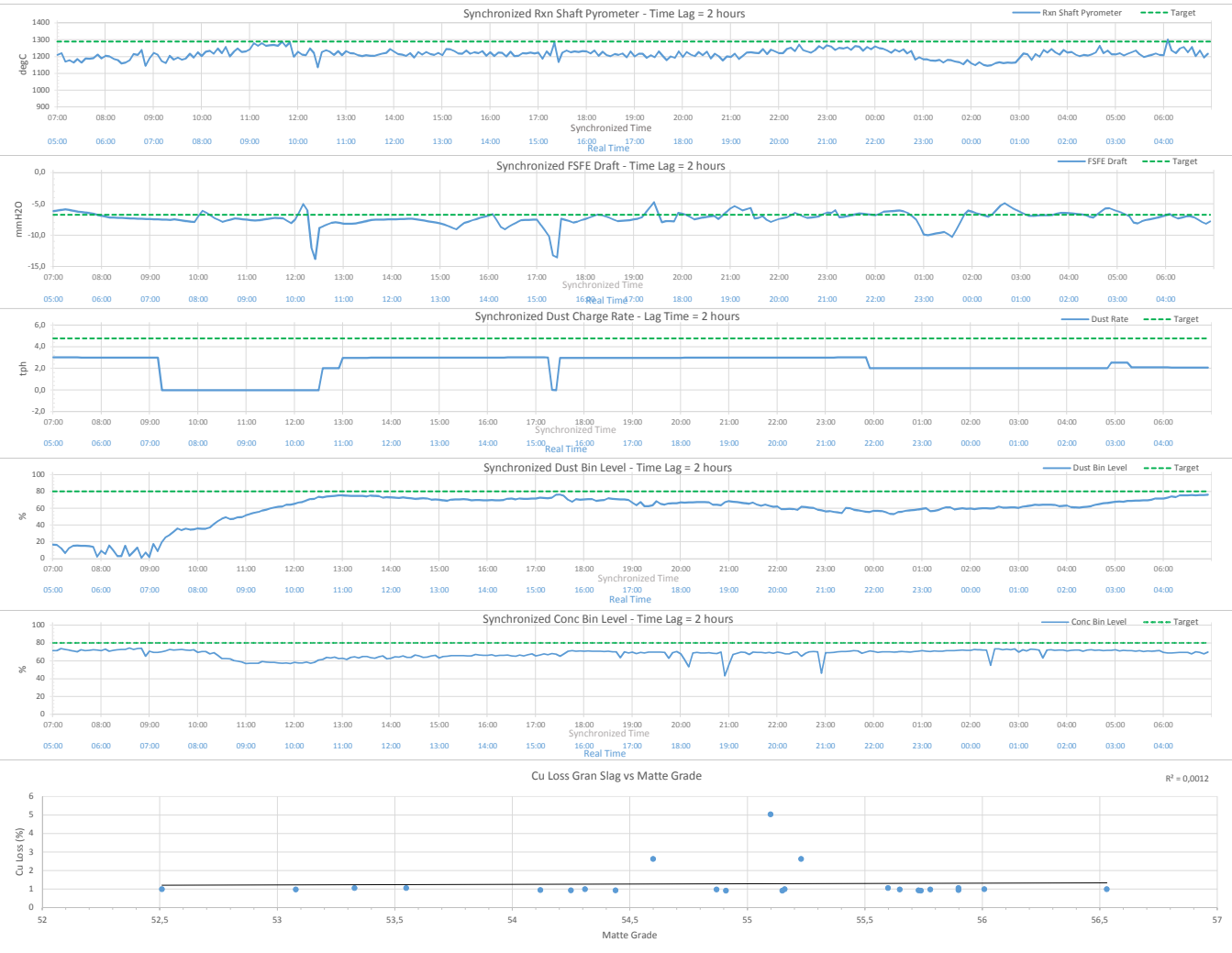


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MATTE GRADE & OXYGEN COEFFICIENT

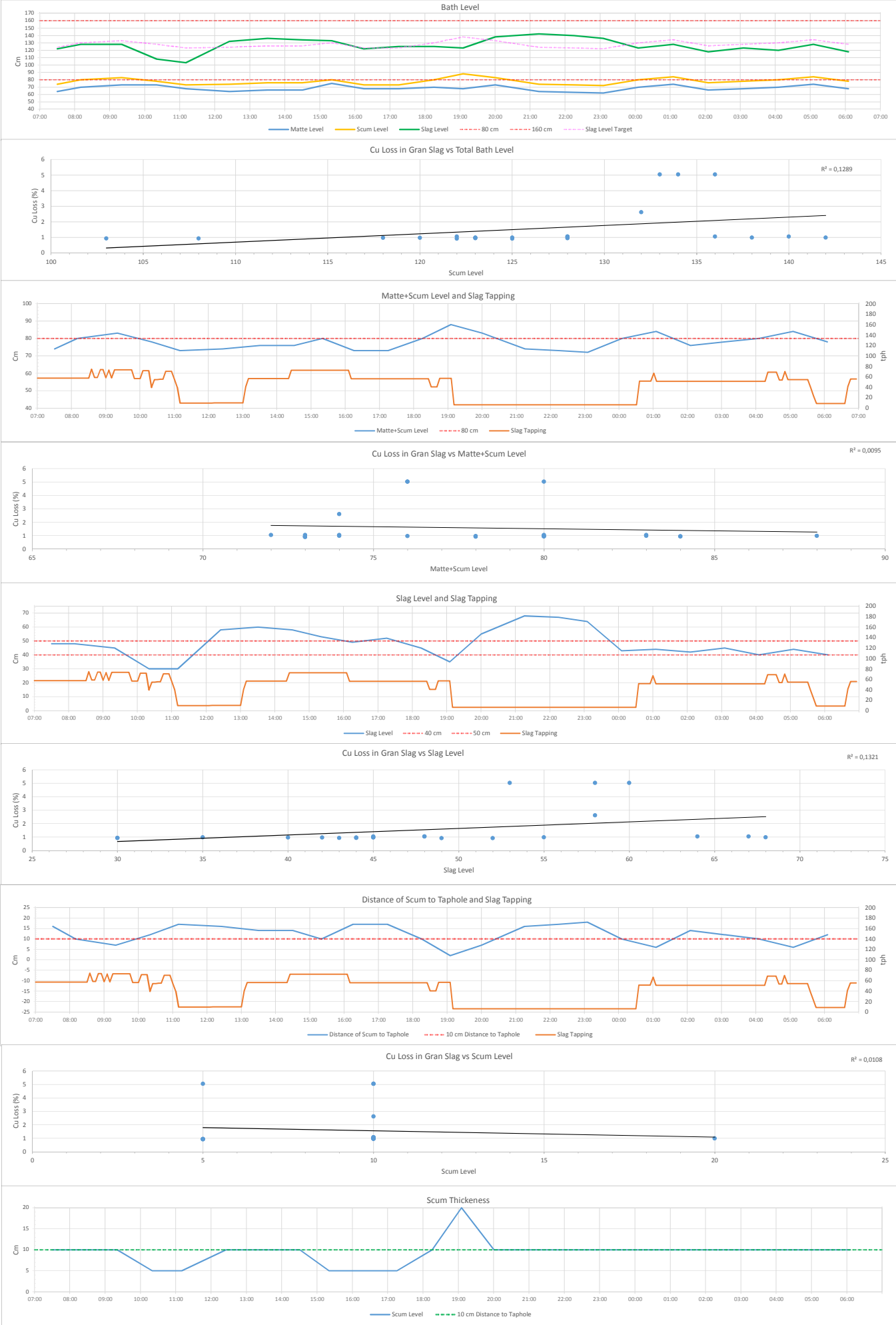


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## BATH LEVEL

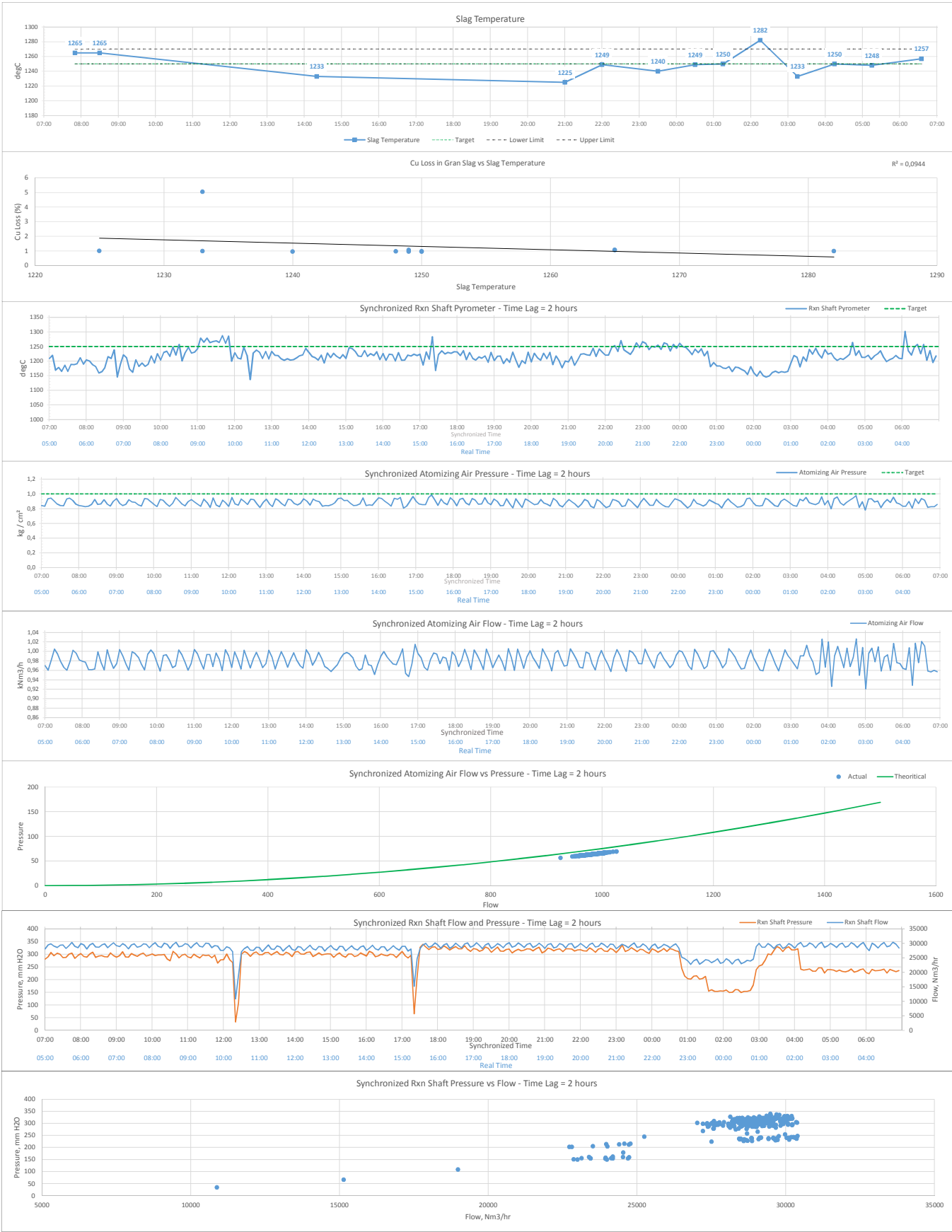


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TEMPERATURE



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