

Report: 02-03-2020

Activity: SPS aC coating + I.R.

Name Wil Vollenberg (on behalf of aC coating and I.R. team)

Meeting



LS2



Overall view

Finished : ARC 5-, 4-, 3+, 3- , 2+ , 5+, 6-

Ongoing:

ARC 6+	=> finishing	=>	see next slides
ARC 1-	=> finishing	=>	see next slides
ARC 1+	=> finishing	=>	see next slides
ARC 2-	=> ongoing	=>	see next slides

Activities ongoing / planned

ARC 6+:

Position	access	I.R. BPH	I.R. 1	Coating	I.R. 2	SSS back	alignment	Vac. Conn.	Q.C. RF	Vacuum
QF 62010	w 43	w 44	w 43	0.98	w 47	48	3	4	not done	7
QF 62210	w 43	w 44	w 43	0.95	w 47	48	3	4	not done	7
QF62410	w 43	w 44	w 43	1.04	w 47	48	3	4	10	10
QF 62610	w 43	w 44	w 43	0.99	w 47	48	9	9	10	10
QF62810	w 43	w 44	w 43	0.96	w 47	48	3	4	10	10
QF 63010	w 43	w 44	w 43	1.03	w 47	48	3	4	10	10
QF 63210	w 43	w 44	w 43	0.96	w 47	48	3	4	10	10
QF 63410	w 43	w 44	w 43	0.98	w 47	48	3	4	10	10
QF 10010	w 43	w 44	w 43	0.97	w 47	48	9	9	10	10

	prepared for coating
	done / coated
1.00	coated and SEY measured
	ongoing
	planned

Activities planned / ongoing

ARC 1- aC coating, I.R. and handling in SPS

Position	access	I.R. BPH	I.R. 1	Coating	I.R. 2	SSS back	alignment	Vac. Conn.	Q.C. RF
QF 10210	w 48	w 50	w 48	0.98	w 51	w 9	w 10	w 10	w 10
QF 10410	w 48	w 50	w 48	0.97	w 51	w 3	w 4	w 5	w 10
QF 10610	w 48	w 50	w 49	0.97	w 51	w 3	w 4	w 5	w 10
QF 10810	w 48	w 50	w 49	0.95	w 51	w 3	w 4	w 5	w 10
QF 11010	w 48	w 50	w 49	0.97	w 51	w 3	w 4	w 5	w 10
QF 11210	w 48	w 50	w 49	0.96	w 51	w 3	w 4	w 5	w 10
QF 11410	w 48	w 50	w 48	1.00	w 51	w 3	w 4	w 5	w 10

	prepared for coating
	done / coated
1.00	coated and SEY measured
	ongoing
	planned

Activities planned / ongoing

ARC 1+ aC coating, I.R. and handling in SPS

Position	access	I.R. BPH	I.R. 1	Coating	I.R. 2	SSS back	alignment	Vac. Conn.	Q.C. RF	Vacuum
QF 12010	4	4	4	0.98	w 7	week 9	w 9- 10			
QF 12210	4	4	3	0.99	w 7	week 9	w 9- 10			
QF 12410	4	4	3	0.99	w 7	week 9	w 10			
QF 12610	3	4	4	0.99	w 7	week 9	w 10			
QF 12810	4	4	4	0.97	w 7	week 9	w 10			
QF 13010	3	4	4	0.96	w 7	week 9	w 10			
QF 13210	3	4	4	w 6	w 7	week 9	w 10			
QF 13410	3	4	4	0.95	w 7	week 9	w 10			
QF 20010	3	4	4	w 7	w 7	week 9	w 10			
QF 11610			2	w 7	w 7	week 9				
QF 11810				w 3	w 7	week 9	w 10			

	prepared for coating
	done / coated
1.00	coated and SEY measured
	ongoing
	planned

Activities planned / ongoing

ARC 2- aC coating and I.R. in SPS

Position	access	I.R. BPH	I.R. 1	Coating	I.R. 2	SSS back	alignment	Vac. Conn.	Q.C. RF
QF 20210	w 9	w 10	28-Feb	w 10	w 13	w 14	w 15	w 16	
QF 20410	w 9	w 10	28-Feb	w 10	w 13	w 14	w 15	w 16	
QF 20610	w 9	w 10	28-Feb	w 10-12	w 13	w 14	w 15	w 16	
QF 20810	w 9	w 10	w 10	w 10-12	w 13	w 14	w 15	w 16	
QF 21010	w 9	w 10	w 10	w 10-12	w 13	w 14	w 15	w 16	
QF 21210	w 9	w 10	w 10	w 10-12	w 13	w 14	w 15	w 16	
QF 21410	w 9	w 10	w 10	w 10-12	w 13	w 14	w 15	w 16	

	prepared for coating
	done / coated
1.00	coated and SEY measured
	ongoing
	planned

Activities planned / ongoing

ARC 2- aC coating and I.R. in 867

SSS	out	I.R. 1	Coating		I.R. 2	SSS back	alignment	Vac. Conn.	Q.C. RF
LSF.20205	w 9	w 10	w 10 -12		w 13	w 14			
LOF.20402 + VTTB 11601	w 9	w 10	w 10 -12		w 13	w 14			
LSE.20602	w 9	w 10	w 10 -12		w 13	w 14			
LSF.20805	w 9	w 10	w 10 -12		w 13	w 14			
MPSH.21202 & LSF.21205	w 9	w 10	w 10 -12		w 13	w 14			
V TTC.21401 / LSF.21405	w 9	w 10	10 - 12	10 - 12	w 13	w 13	w 14		

	prepared for coating
	done / coated
1.00	coated and SEY measured
	ongoing
	planned

Activities in 181

Coating of new chambers

Week 10 : new batches to arrive.

Week 11-13: 3 coating runs planned

Resources distribution

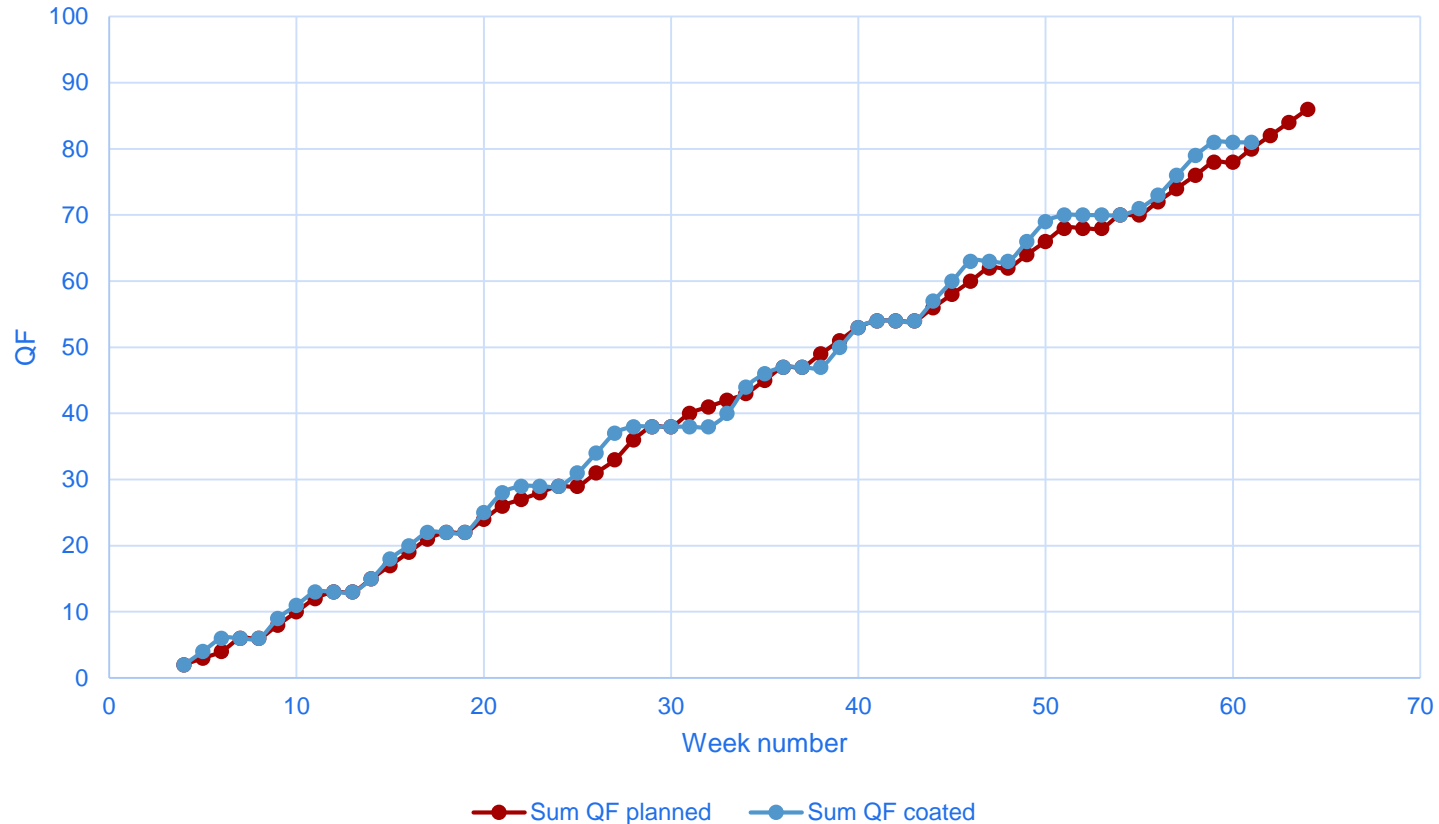
SPS tunnel: 1 Physicist / 2 FSU (50 %)

867: 1 Engineer/ 1 Technician

181: 1 Engineer / 2 FSU (50 %)

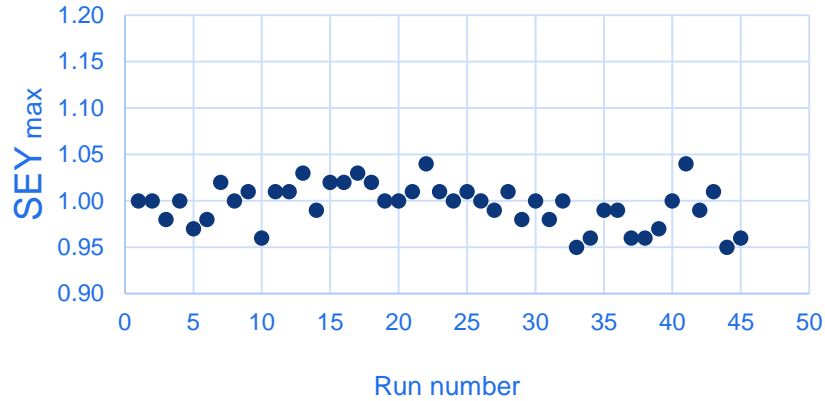
Dashboard and work evolution

Dashboard aC coating project + I.R.

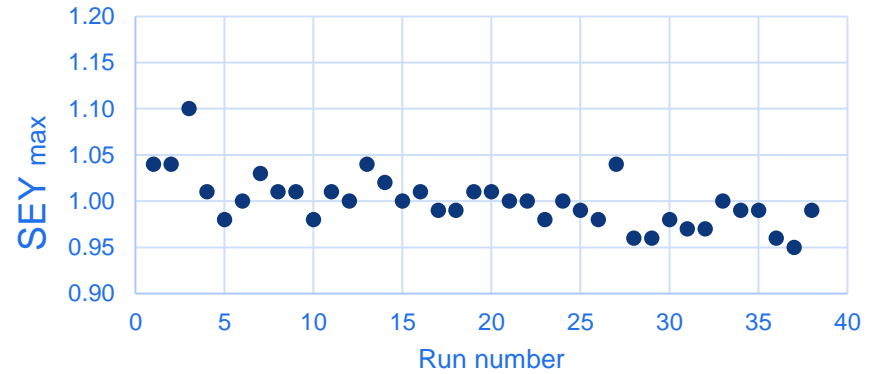


Quality control SEY

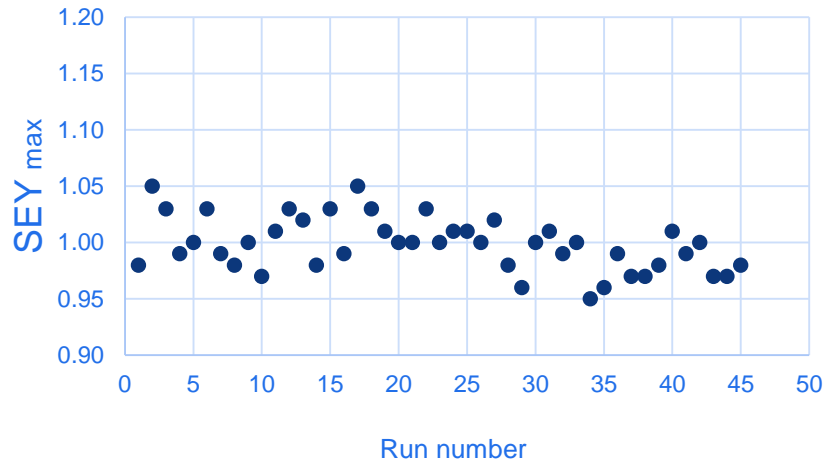
SEY_{max} 867 system 1



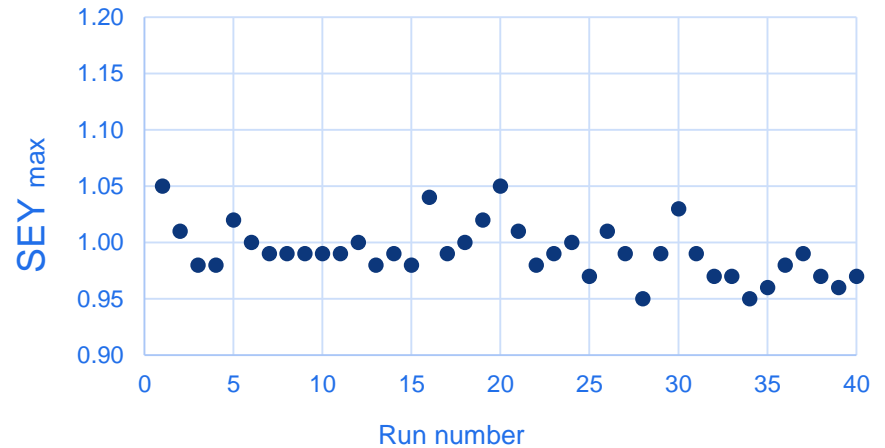
SEY_{max} Tunnel system 1



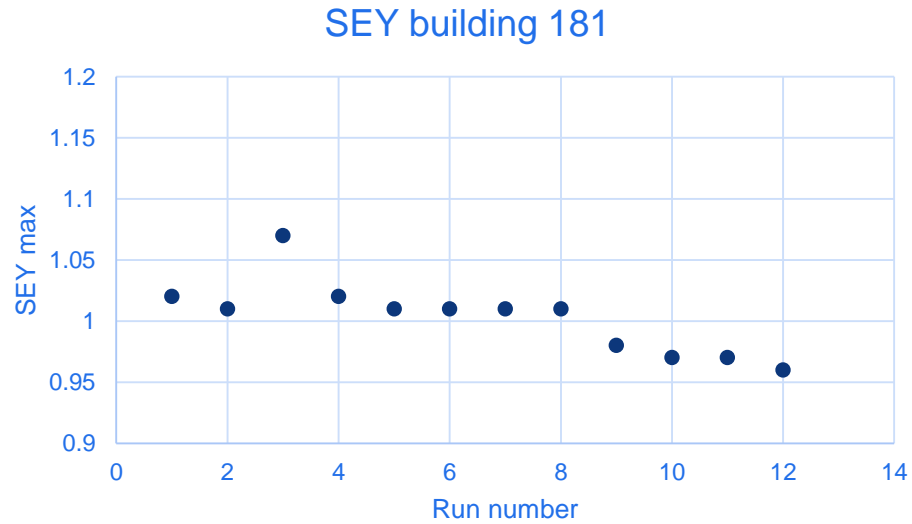
SEY_{max} 867- system 2



SEY_{max} Tunnel system 2



Quality control SEY



Thank you !



LS2

