

DOROS front-end inventory

M. Gasior, SY-BI-IQ  
v. 1/03/22

front-ends 25  
8-channel FE 23  
4-channel FE 2

all 4-ch. 50  
not used 4-ch. 2

system 5

point	BPMs	front-end	ID	rack	[ b/r/ chassis	[dec] HW config	[hex] HW config	active ch.	HW ver.	built	remarks	comments
P1 L	Q1	CFB-UJ14-BIDRS1	0x81FF	BY01.UJ14	b	8	00001000	8	1	2018		
P1 L	Q1 redun.	CFB-UJ14-BIDRS1B	0x818F	BY01.UJ14	b	25	00011001	8	2	2022		redundant, new LS2
P1 R	Q1	CFB-UJ16-BIDRS1	0x8101	BY01.UJ16	b	4	00000100	8	1	2017		
P1 R	Q1 redun.	CFB-UJ16-BIDRS1B	0x8181	BY01.UJ16	b	25	00011001	8	2	2022		redundant, new LS2
P1 L	Q2	CFB-UJ14-BIDRS2	0x81FE	BY01.UJ14	b	21	00010101	8	2	2021	45° BPMs	LF beam spectra studies
P1 R	Q2	CFB-UJ16-BIDRS2	0x8102	BY01.UJ16	b	21	00010101	8	2	2021	45° BPMs	LF beam spectra studies
P1 L	Q7	CFB-RR13-BIDRS1	0x81F9	BY01.RR13	b	4	00000100	8	1	2017		
P1 R	Q7	CFB-RR17-BIDRS1	0x8107	BY01.RR17	b	4	00000100	8	1	2017		
P1 L	AFP B2	CFB-RR13-BIDRS2	0x819F	BY03.RR13	b	136	10001000	4	1	2018	4 channels	
P1 R	AFP B1	CFB-RR17-BIDRS2	0x8161	BY01.RR17	b	128	10000000	4	1	2016	4 channels	
P2 L	Q1	CFB-UA23-BIDRS1	0x82FF	BY02.UA23	b	4	00000100	8	1	2017		
P2 R	Q1	CFB-UA27-BIDRS1	0x8201	BY01.UA27	b	4	00000100	8	1	2017		
P2 R	Q6	CFB-UA27-BIDRS2	0x8206	BY03.UA27	b	21	00010101	8	2	2021		quadruploar R&D
P4 R	Q5	CFB-UA47-BIDRS2	0x8405	BY05.UA47	b	22	00010110	8	1	2021	dl/dt A	dl/dt with hard-wired settings for the analog boards
P4 R	Q6	CFB-UA47-BIDRS3	0x8406	BY05.UA47	b	22	00010110	8	1	2021	dl/dt B	dl/dt with hard-wired settings for the analog boards
P4 R	Q6, OD gated BBQ	CFB-UA47-BIDRS1	0x8401	tunnel, RR47	r	10	00001010	8	1	2018		"On demand gated" BBQ pick-ups , FE in the tunel
P4 L	Q6	CFB-UA43-BIDRS1	0x84FA	BY08.UA43	b	21	00010101	8	2	2021		quadruploar R&D
P5 L	Q1	CFB-USC55-BIDRS1	0x85FF	BY01.USC55	b	4	00000100	8	1	2017		
P5 R	Q1	CFB-UJ56-BIDRS1	0x8501	BY01.UJ56	b	4	00000100	8	1	2017		
P6 L	Q5	CFB-UA63-BIDRS1	0x86FB	BY02.UA63	b	21	00010101	8	2	2021		quadruploar R&D
P6 R	Q5	CFB-UA67-BIDRS1	0x8605	BY02.UA67	b	21	00010101	8	2	2021		quadruploar R&D
P8 L	Q1	CFB-UA83-BIDRS1	0x88FF	BY02.UA83	b	4	00000100	8	1	2017		
P8 R	Q1	CFB-UA87-BIDRS1	0x8801	BY01.UA87	b	4	00000100	8	1	2017		
P8 L	Q6	CFB-UA83-BIDRS2	0x88FA	BY05.UA83	b	21	00010101	8	2	2021		quadruploar R&D
P8 R	Q6	CFB-UA87-BIDRS2	0x8806	BY06.UA87	b	21	00010101	8	2	2021		quadruploar R&D

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**all front-ends 35**  
8-ch. FEs 24  
6-ch. FEs 5  
4-ch. FEs 6

all planes 140  
not used planes 17

**system C**

redundant channels in magenta  
not used channels in orange

point	U + D BPMs 1 + 2	U + D BPMs 3 + 4	front-end	ID	rack	[ b/r] chassis	[dec] HW config	[hex] HW config	active ch.	HW ver.	built	remarks	comments
P1 L	TCTPH.4L1.B1	TCTPV.4L1.B1	CFB-US152-BIDRC1A	0x11FF	BY01.US152	r	8	00001000	8	1	2018	SIS A	
P1 L	as above	as above	CFB-US152-BIDRC1B	0x118F	BY01.US152	r	8	00001000	8	1	2018	SIS B	
P1 R	TCTPH.4R1.B2	TCTPV.4R1.B2	CFB-US152-BIDRC2A	0x1101	BY01.US152	r	8	00001000	8	1	2018	SIS A	
P1 R	as above	as above	CFB-US152-BIDRC2B	0x1181	BY01.US152	r	8	00001000	8	1	2018	SIS B	
P2 L	TCTPH.4L2.B1	TCTPV.4L2.B1	CFB-UA23-BIDRC1	0x12FF	BY02.UA23	r	6	00000110	8	1	2017		
P2 L	TCLD.A11L2.B2 H	not used	CFB-UA23-BIDRC2	0x12FE	BY02.UA23	b	132	10000100	4	1	2017		new LS2
P2 R	TCTPH.4R2.B2	TCTPV.4R2.B2	CFB-UA27-BIDRC1	0x1201	BY04.UA27	r	6	00000110	8	1	2017		
P2 R	TCLD.A11R2.B1 H	not used	CFB-UA27-BIDRC2	0x1202	BY04.UA27	b	136	10001000	4	1	2018		new LS2
P5 L	TCTPH.4L5.B1	TCTPV.4L5.B1	CFB-USC55-BIDRC1A	0x15FF	BY04.USC55	b	8	00001000	8	1	2018	SIS A	
P5 L	as above	as above	CFB-USC55-BIDRC1B	0x158F	BY04.USC55	r	8	00001000	8	1	2018	SIS B	
P5 R	TCTPH.4R5.B2	TCTPV.4R5.B2	CFB-USC55-BIDRC2A	0x1501	BY04.USC55	b	8	00001000	8	1	2018	SIS A	
P5 R	as above	as above	CFB-USC55-BIDRC2B	0x1581	BY04.USC55	r	8	00001000	8	1	2018	SIS B	
P6 L	TCSP.A4L6.B2	not used	CFB-UA63-BIDRC1A	0x16FF	BY02.UA63	b	132	10000100	4	1	2017	SIS A	
P6 L	as above	not used	CFB-UA63-BIDRC1B	0x168F	BY02.UA63	r	136	10001000	4	1	2018	SIS B	
P6 R	TCSP.A4R6.B1	not used	CFB-UA67-BIDRC1A	0x1601	BY02.UA67	b	136	10001000	4	1	2018	SIS A	
P6 R	as above	not used	CFB-UA67-BIDRC1B	0x1681	BY02.UA67	r	136	10001000	4	1	2018	SIS B	
P8 L	TCTPH.4L8.B1	TCTPV.4L8.B1	CFB-UA83-BIDRC1	0x18FF	BY02.UA83	r	6	00000110	8	1	2017		
P8 R	TCTPH.4R8.B2	TCTPH.4R8.B2	CFB-UA87-BIDRC1	0x1801	BY03.UA87	r	6	00000110	8	1	2017		
tank BPMs in green													
P7.1	TCP.D6L7.B1 V	TCSM.6L7.B2 H	CFB-TZ76-BIDRC31A	0x1731	BY03.TZ76	b	21	00010101	8	2	2021		new LS2
	as above	as above	CFB-TZ76-BIDRC31B	0x1732	BY03.TZ76	b	20	00010100	8	1	2021		new LS2
	TCP.C6L7.B1 H	C6L7.B1 + D6L7.B1	CFB-TZ76-BIDRC32A	0x1733	BY03.TZ76	b	21	00010101	8	2	2021		new LS2
	as above	6L7.B2 + not used	CFB-TZ76-BIDRC32A	0x1734	BY03.TZ76	b	72	01001000	6	1	2018		new LS2
P7.2	TCSG.D4R7.B2 V	TCSM.E5L7.B2 J	CFB-TZ76-BIDRC41A	0x1741	BY04.TZ76	b	21	00010101	8	2	2021		new LS2
	as above	as above	CFB-TZ76-BIDRC41B	0x1742	BY04.TZ76	b	20	00010100	8	1	2021		new LS2
	D4R7.B2 + E5L7.B2	B4R7.B2 + not used	CFB-TZ76-BIDRC43	0x1743	BY04.TZ76	b	65	01000001	6	2	2016		new LS2
	TCSM.E5R7.B1 J	TCSM.D4L7.B1 J	CFB-TZ76-BIDRC43A	0x1744	BY04.TZ76	b	21	00010101	8	2	2021		new LS2
	as above	as above	CFB-TZ76-BIDRC43B	0x1745	BY04.TZ76	b	20	00010100	8	1	2021		new LS2
	E5R7.B1 + D4L7.B1	B4L7.B1 + not used	CFB-TZ76-BIDRC44	0x1746	BY04.TZ76	b	85	01010101	6	2	2021		new LS2
	TCSM.B4L7.B1 H	TCSM.B4R7.B2 H	CFB-TZ76-BIDRC45A	0x1747	BY04.TZ76	b	21	00010101	8	2	2021		new LS2
	as above	as above	CFB-TZ76-BIDRC45B	0x1748	BY04.TZ76	b	8	00001000	8	1	2018		new LS2
P7.3	TCSM.6R7.B1 H	6R7.B1 + not used	CFB-TZ76-BIDRC51A	0x1751	BY05.TZ76	b	85	01010101	6	2	2021		new LS2
	as above	D6R7.B2 + C6R7.B2	CFB-TZ76-BIDRC51B	0x1752	BY05.TZ76	b	8	00001000	8	1	2018		new LS2
	TCP.D6R7.B2 V	TCSM.C6R7.B2 H	CFB-TZ76-BIDRC52A	0x1753	BY05.TZ76	b	21	00010101	8	2	2021		new LS2
	as above	as above	CFB-TZ76-BIDRC52B	0x1754	BY04.TZ76	b	8	00001000	8	1	2018		new LS2
	TCSM.A4R7.B2 V	A4R7 + not used	CFB-TZ76-BIDRC53	0x1755	BY05.TZ76	b	89	01011001	6	2	2022		proto moved from RR77, new FE