1 Nominal correlations.

Measurements		$CVW_{183}/\%$	$CVW_{189}/\%$	$CVW_{192}/\%$	$CVW_{196}/\%$	$CVW_{200}/\%$	$CVW_{202}/\%$	$CVW_{205}/\%$	$CVW_{207}/\%$	Stat	LCEU	LCEC	LUEU	LUEC
A183	15.57 ± 0.68	25.58	-0.58	-0.36	-0.42	-0.40	-0.50	-0.47	-0.40	0.62	0	0.09	0.09	0.26
D183	15.86 ± 0.74	22.26	0.04	0.29	0.16	0.09	0.09	0.19	0.06	0.69	0	0.09	0.07	0.23
L183	16.53 ± 0.72	23.49	0.30	0.50	0.46	0.56	0.67	0.60	0.57	0.67	0	0.08	0.14	0.20
O183	15.43 ± 0.66	28.68	0.25	-0.42	-0.20	-0.25	-0.27	-0.31	-0.24	0.61	0	0.14	0	0.22
BLUE 183	15.79 ± 0.36	100.00	0	0	0	0	0	0	0	0.32	0	0.10	0.04	0.11

Measurements		$CVW_{183}/\%$	$CVW_{189}/\%$	$CVW_{192}/\%$	$CVW_{196}/\%$	$CVW_{200}/\%$	$CVW_{202}/\%$	$CVW_{205}/\%$	$CVW_{207}/\%$	Stat	LCEU	LCEC	LUEU	LUEC
A189	15.71 ± 0.38	-0.86	26.72	1.11	0.98	0.95	0.80	0.80	0.94	0.34	0	0.05	0.09	0.15
D189	15.83 ± 0.43	-1.39	21.33	-0.65	-0.93	-1.07	-1.18	-0.79	-1.06	0.38	0	0.07	0.05	0.18
L189	16.24 ± 0.43	0.16	22.12	-0.69	-0.80	-0.43	-0.18	-0.30	-0.36	0.37	0	0.04	0.08	0.20
O189	16.30 ± 0.38	2.09	29.83	0.23	0.76	0.55	0.56	0.30	0.48	0.34	0	0.07	0	0.17
BLUE 189	16.00 ± 0.21	0	100.00	0	0	0	0	0	0	0.18	0	0.05	0.03	0.08

Measurements		$CVW_{183}/\%$	$CVW_{189}/\%$	$CVW_{192}/\%$	$CVW_{196}/\%$	$CVW_{200}/\%$	$CVW_{202}/\%$	$CVW_{205}/\%$	$CVW_{207}/\%$	Stat	LCEU	LCEC	LUEU	LUEC
A192	17.23 ± 0.91	0.47	0.45	27.07	0.77	0.75	0.75	0.73	0.74	0.89	0	0.05	0.09	0.15
D192	16.90 ± 1.02	0.18	0.12	21.25	0.26	0.22	0.22	0.27	0.22	1.00	0	0.07	0.06	0.20
L192	16.39 ± 0.93	0.14	-0.01	25.85	0.09	0.17	0.21	0.21	0.19	0.90	0	0.08	0.08	0.21
O192	16.60 ± 0.97	-0.79	-0.56	25.83	-1.11	-1.14	-1.18	-1.21	-1.14	0.88	0	0.12	0	0.40
BLUE 192	16.72 ± 0.48	0	0	100.00	0	0	0	0	0	0.46	0	0.07	0.04	0.10

Measurements		$CVW_{183}/\%$	$CVW_{189}/\%$	$CVW_{192}/\%$	$CVW_{196}/\%$	$CVW_{200}/\%$	$CVW_{202}/\%$	$CVW_{205}/\%$	$CVW_{207}/\%$	Stat	LCEU	LCEC	LUEU	LUEC
A196	17.00 ± 0.57	1.17	1.15	2.03	29.30	1.87	1.86	1.80	1.83	0.54	0	0.05	0.09	0.15
D196	17.86 ± 0.63	0.43	0.28	0.80	23.94	0.52	0.52	0.65	0.51	0.59	0	0.07	0.06	0.20
L196	16.67 ± 0.60	0.29	-0.10	0.22	26.61	0.31	0.42	0.40	0.37	0.55	0	0.08	0.08	0.21
O196	18.59 ± 0.74	-1.89	-1.33	-3.06	20.15	-2.70	-2.79	-2.86	-2.71	0.60	0	0.12	0	0.41
BLUE 196	17.43 ± 0.32	0	0	0	100.00	0	0	0	0	0.29	0	0.07	0.04	0.10

Measurements		$CVW_{183}/\%$	$CVW_{189}/\%$	$CVW_{192}/\%$	$CVW_{196}/\%$	$CVW_{200}/\%$	$CVW_{202}/\%$	$CVW_{205}/\%$	$CVW_{207}/\%$	Stat	LCEU	LCEC	LUEU	LUEC
A200	16.98 ± 0.56	0.98	1.03	1.92	1.79	28.27	1.74	1.70	1.73	0.53	0	0.05	0.09	0.15
D200	17.35 ± 0.60	0.26	0.17	0.72	0.51	24.56	0.41	0.57	0.41	0.56	0	0.07	0.06	0.20
L200	16.94 ± 0.62	0.07	-0.23	0.04	-0.06	23.20	0.23	0.23	0.19	0.57	0	0.08	0.08	0.21
O200	16.32 ± 0.66	-1.32	-0.98	-2.67	-2.23	23.96	-2.38	-2.49	-2.34	0.54	0	0.10	0	0.37
BLUE 200	16.84 ± 0.31	0	0	0	0	100.00	0	0	0	0.28	0	0.07	0.04	0.10

Measurements		$CVW_{183}/\%$	$CVW_{189}/\%$	$CVW_{192}/\%$	$CVW_{196}/\%$	$CVW_{200}/\%$	$CVW_{202}/\%$	$CVW_{205}/\%$	$CVW_{207}/\%$	Stat	LCEU	LCEC	LUEU	LUEC
A202	16.16 ± 0.76	0.67	0.63	1.12	1.05	1.04	30.03	1.00	1.02	0.74	0	0.05	0.09	0.15
D202	17.67 ± 0.84	0.06	0.04	0.29	0.19	0.15	24.54	0.23	0.15	0.81	0	0.08	0.07	0.21
L202	16.95 ± 0.88	0.15	-0.03	0.11	0.07	0.15	22.28	0.20	0.18	0.85	0	0.08	0.08	0.21
O202	18.48 ± 0.91	-0.88	-0.64	-1.53	-1.31	-1.34	23.16	-1.43	-1.35	0.81	0	0.12	0	0.40
BLUE 202	17.23 ± 0.42	0	0	0	0	0	100.00	0	0	0.40	0	0.07	0.04	0.10

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A205	16.57 ± 0.55	0.93	1.01	1.94	1.80	1.77	1.76	29.66	1.75	0.52	0	0.05	0.09	0.15
D205	17.44 ± 0.64	0.35	0.19	0.72	0.52	0.44	0.44	22.00	0.43	0.60	0	0.06	0.05	0.20
L205	17.35 ± 0.64	~ 0	-0.26	~ 0	-0.10	0.08	0.17	22.07	0.15	0.59	0	0.08	0.08	0.21
O205	15.97 ± 0.64	-1.28	-0.95	-2.67	-2.22	-2.30	-2.37	26.27	-2.33	0.52	0	0.10	0	0.36
BLUE $_{205}$	16.71 ± 0.31	0	0	0	0	0	0	100.00	0	0.28	0	0.06	0.03	0.10

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A207	17.32 ± 0.45	1.35	1.54	2.95	2.73	2.70	2.66	2.61	29.14	0.41	0	0.05	0.09	0.15
D207	16.50 ± 0.48	0.86	0.54	1.54	1.19	1.03	1.04	1.28	25.87	0.43	0	0.06	0.05	0.20
L207	17.96 ± 0.51	-0.11	-0.49	-0.11	-0.27	0.05	0.20	0.21	22.40	0.45	0	0.08	0.08	0.21
O207	17.77 ± 0.57	-2.10	-1.59	-4.38	-3.65	-3.78	-3.90	-4.10	22.58	0.42	0	0.09	0	0.37
BLUE $_{207}$	17.33 ± 0.25	0	0	0	0	0	0	0	100.00	0.22	0	0.06	0.03	0.10

Table 1: BLUE's of the combination (χ^2/ndof= 27.42/24). Values /1k are displayed. For each input measurement i, the central value weight CVW or λ_i^α with which that measurement contributes to the BLUE for observable α is listed.

$$\begin{pmatrix} & 183 & 189 & 192 & 196 & 200 & 202 & 205 & 207 \\ \hline 183 & 1.00 & 0.20 & 0.11 & 0.17 & 0.17 & 0.13 & 0.17 & 0.20 \\ 189 & 0.20 & 1.00 & 0.13 & 0.20 & 0.20 & 0.15 & 0.20 & 0.24 \\ 192 & 0.11 & 0.13 & 1.00 & 0.12 & 0.12 & 0.09 & 0.12 & 0.14 \\ 196 & 0.17 & 0.20 & 0.12 & 1.00 & 0.18 & 0.13 & 0.17 & 0.21 \\ 200 & 0.17 & 0.20 & 0.12 & 0.18 & 1.00 & 0.13 & 0.17 & 0.21 \\ 202 & 0.13 & 0.15 & 0.09 & 0.13 & 0.13 & 1.00 & 0.13 & 0.16 \\ 205 & 0.17 & 0.20 & 0.12 & 0.17 & 0.17 & 0.13 & 1.00 & 0.21 \\ 207 & 0.20 & 0.24 & 0.14 & 0.21 & 0.21 & 0.16 & 0.21 & 1.00 \end{pmatrix}$$

Table 2: Correlations between the BLUE's.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.47	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
A189	0.04	0.15	0.02	0.02	0.02	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A192	0.04	0.02	0.82	0.02	0.02	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A196	0.04	0.02	0.02	0.32	0.02	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A200	0.04	0.02	0.02	0.02	0.31	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A202	0.04	0.02	0.02	0.02	0.02	0.58	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A205	0.04	0.02	0.02	0.02	0.02	0.02	0.30	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A207	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.20	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
D183	0.01	~0	~0	~0	~0	~0	~0	~0	0.54	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D189	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.18	0.04	0.04	0.04	0.04	0.04	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D192	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	1.05	0.04	0.04	0.05	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D196	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.04	0.40	0.04	0.05	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D200	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.04	0.04	0.36	0.05	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D202	0.01	~0	~0	~0	~0	~0	~0	~0	0.06	0.04	0.05	0.05	0.05	0.71	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D205	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.05	0.05	0.05	0.05	0.41	0.04	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D207	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.23	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
L183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.52	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L189	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.04	0.19	0.05	0.05	0.05	0.05	0.05	0.05	0.01	~0	0.01	0.01	~0	0.01	~0	~0
L192	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.87	0.05	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L196	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.36	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.38	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L202	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.05	0.78	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.05	0.05	0.41	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.26	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O183	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.44	0.05	0.10	0.11	0.09	0.10	0.09	0.09
O189	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.15	0.08	0.08	0.07	0.08	0.07	0.07
O192	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.08	0.95	0.18	0.16	0.18	0.16	0.16
O196	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.08	0.18	0.54	0.16	0.18	0.16	0.16
O200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.07	0.16	0.16	0.44	0.16	0.14	0.14
O202	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.08	0.18	0.18	0.16	0.83	0.16	0.16
O205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.07	0.16	0.16	0.14	0.16	0.41	0.14
O207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.07	0.16	0.16	0.14	0.16	0.14	0.32

Table 3: Full input covariance between measurements (summed over error sources). Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.81	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.72	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.37	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.77	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18

Table 4: Partial input covariance between measurements. Error source #0: Stat. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5: Partial input covariance between measurements. Error source #1: LCEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
A189	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A192	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A196	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A200	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A202	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A205	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A207	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
D183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D189	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D192	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D196	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D202	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
L183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L189	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
L192	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L196	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L202	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O183	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.01
O189	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
O192	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O196	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O202	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Table 6: Partial input covariance between measurements. Error source #2: LCEC. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7: Partial input covariance between measurements. Error source #3: LUEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.06	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.04	0.09	0.09	0.08	0.09	0.08	0.08
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.03	0.07	0.07	0.06	0.07	0.06	0.06
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	0.16	0.17	0.15	0.16	0.14	0.15
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	0.17	0.17	0.15	0.17	0.15	0.15
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.06	0.15	0.15	0.13	0.15	0.13	0.14
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	0.16	0.17	0.15	0.16	0.14	0.15
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.06	0.14	0.15	0.13	0.14	0.13	0.13
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.06	0.15	0.15	0.14	0.15	0.13	0.14

Table 8: Partial input covariance between measurements. Error source #4: LUEC. Values /1M are displayed.

2 Modified correlations.

2.1 Zero correlations.

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A183	15.57 ± 0.68	26.14	0	0	0	0	0	0	0	0.62	0	0.09	0.09	0.26
D183	15.86 ± 0.74	22.48	0	0	0	0	0	0	0	0.69	0	0.09	0.07	0.23
L183	16.53 ± 0.72	23.63	0	0	0	0	0	0	0	0.67	0	0.08	0.14	0.20
O183	15.43 ± 0.66	27.75	0	0	0	0	0	0	0	0.61	0	0.14	0	0.22
BLUE $_{183}$	15.82 ± 0.35	100.00	0	0	0	0	0	0	0	0.32	0	0.05	0.04	0.12

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A189	15.71 ± 0.38	0	27.79	0	0	0	0	0	0	0.34	0	0.05	0.09	0.15
D189	15.83 ± 0.43	0	22.27	0	0	0	0	0	0	0.38	0	0.07	0.05	0.18
L189	16.24 ± 0.43	0	22.17	0	0	0	0	0	0	0.37	0	0.04	0.08	0.20
O189	16.30 ± 0.38	0	27.77	0	0	0	0	0	0	0.34	0	0.07	0	0.17
BLUE $_{189}$	16.02 ± 0.20	0	100.00	0	0	0	0	0	0	0.18	0	0.03	0.03	0.09

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A192	17.23 ± 0.91	0	0	27.75	0	0	0	0	0	0.89	0	0.05	0.09	0.15
D192	16.90 ± 1.02	0	0	21.82	0	0	0	0	0	1.00	0	0.07	0.06	0.20
L192	16.39 ± 0.93	0	0	26.37	0	0	0	0	0	0.90	0	0.08	0.08	0.21
O192	16.60 ± 0.97	0	0	24.07	0	0	0	0	0	0.88	0	0.12	0	0.40
BLUE $_{192}$	16.78 ± 0.48	0	0	100.00	0	0	0	0	0	0.46	0	0.04	0.04	0.13

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A196	17.00 ± 0.57	0	0	0	30.20	0	0	0	0	0.54	0	0.05	0.09	0.15
D196	17.86 ± 0.63	0	0	0	24.67	0	0	0	0	0.59	0	0.07	0.06	0.20
L196	16.67 ± 0.60	0	0	0	27.17	0	0	0	0	0.55	0	0.08	0.08	0.21
O196	18.59 ± 0.74	0	0	0	17.95	0	0	0	0	0.60	0	0.12	0	0.41
BLUE $_{196}$	17.41 ± 0.31	0	0	0	100.00	0	0	0	0	0.29	0	0.04	0.04	0.11

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A200	16.98 ± 0.56	0	0	0	0	29.39	0	0	0	0.53	0	0.05	0.09	0.15
D200	17.35 ± 0.60	0	0	0	0	25.42	0	0	0	0.56	0	0.07	0.06	0.20
L200	16.94 ± 0.62	0	0	0	0	24.07	0	0	0	0.57	0	0.08	0.08	0.21
O200	16.32 ± 0.66	0	0	0	0	21.11	0	0	0	0.54	0	0.10	0	0.37
BLUE $_{200}$	16.93 ± 0.30	0	0	0	0	100.00	0	0	0	0.28	0	0.04	0.04	0.11

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A202	16.16 ± 0.76	0	0	0	0	0	30.70	0	0	0.74	0	0.05	0.09	0.15
D202	17.67 ± 0.84	0	0	0	0	0	25.10	0	0	0.81	0	0.08	0.07	0.21
L202	16.95 ± 0.88	0	0	0	0	0	22.82	0	0	0.85	0	0.08	0.08	0.21
O202	18.48 ± 0.91	0	0	0	0	0	21.38	0	0	0.81	0	0.12	0	0.40
BLUE $_{202}$	17.22 ± 0.42	0	0	0	0	0	100.00	0	0	0.40	0	0.04	0.04	0.12

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A205	16.57 ± 0.55	0	0	0	0	0	0	30.95	0	0.52	0	0.05	0.09	0.15
D205	17.44 ± 0.64	0	0	0	0	0	0	22.93	0	0.60	0	0.06	0.05	0.20
L205	17.35 ± 0.64	0	0	0	0	0	0	23.10	0	0.59	0	0.08	0.08	0.21
O205	15.97 ± 0.64	0	0	0	0	0	0	23.02	0	0.52	0	0.10	0	0.36
BLUE $_{205}$	16.81 ± 0.31	0	0	0	0	0	0	100.00	0	0.28	0	0.04	0.04	0.12

Measurements		CVW$_{183}$/%	CVW$_{189}$/%	CVW$_{192}$/%	CVW$_{196}$/%	CVW$_{200}$/%	CVW$_{202}$/%	CVW$_{205}$/%	CVW$_{207}$/%	Stat	LCEU	LCEC	LUEU	LUEC
A207	17.32 ± 0.45	0	0	0	0	0	0	0	30.58	0.41	0	0.05	0.09	0.15
D207	16.50 ± 0.48	0	0	0	0	0	0	0	26.76	0.43	0	0.06	0.05	0.20
L207	17.96 ± 0.51	0	0	0	0	0	0	0	23.57	0.45	0	0.08	0.08	0.21
O207	17.77 ± 0.57	0	0	0	0	0	0	0	19.09	0.42	0	0.09	0	0.37
BLUE $_{207}$	17.34 ± 0.25	0	0	0	0	0	0	0	100.00	0.22	0	0.03	0.04	0.11

Table 9: BLUE's of the combination (χ^2/ndof= 22.98/24). Values /1k are displayed. For each input measurement i, the central value weight CVW or λ_i^α with which that measurement contributes to the BLUE for observable α is listed.

$$\begin{pmatrix} & 183 & 189 & 192 & 196 & 200 & 202 & 205 & 207 \\ 183 & 1.00 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 189 & 0 & 1.00 & 0 & 0 & 0 & 0 & 0 & 0 \\ 192 & 0 & 0 & 1.00 & 0 & 0 & 0 & 0 & 0 \\ 196 & 0 & 0 & 0 & 1.00 & 0 & 0 & 0 & 0 \\ 200 & 0 & 0 & 0 & 0 & 1.00 & 0 & 0 & 0 \\ 202 & 0 & 0 & 0 & 0 & 0 & 1.00 & 0 & 0 \\ 205 & 0 & 0 & 0 & 0 & 0 & 0 & 1.00 & 0 \\ 207 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1.00 \end{pmatrix}$$

Table 10: Correlations between the BLUE's.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	1.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.87	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.38	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.78	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.26	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.44	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.95	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.54	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.44	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.83	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.41	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.32

Table 11: Full input covariance between measurements (summed over error sources). Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.81	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.72	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.37	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.77	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18

Table 12: Partial input covariance between measurements. Error source #0: Stat. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 13: Partial input covariance between measurements. Error source #1: LCEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01

Table 14: Partial input covariance between measurements. Error source #2: LCEC. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 15: Partial input covariance between measurements. Error source #3: LUEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14

Table 16: Partial input covariance between measurements. Error source #4: LUEC. Values /1M are displayed.

Appendix A1.   Input data.

```
1   #================================================================================
2   #==== BlueFin input data file ===================================================
3   #================================================================================
4
5   # The file is expected to have the following format.
6   # Blank lines and lines with only empty spaces are ignored.
7   # Lines starting by '#' are reserved for comments and are ignored.
8   # Data lines are composed of fields separated by one or more empty spaces.
9   # Fields cannot contain empty spaces, with the exception of the title line.
10
11  # The next line must have 2 fields: 'TITLE' and the title of the
12  # BlueFin combination, which must be enclosed within double quotes
13  # and may contain only alphanumeric characters or spaces or hyphens.
14  TITLE "LEP2 WW cross sections"
15
16  # The next line must have 2 fields: 'NOBS' and the number of observables.
17  NOBS 8
18
19  # The next line must have 2 fields: 'NMEA' and the number of measurements.
20  NMEA 32
21
22  # The next line must have 2 fields: 'NERR' and the number of error sources.
23  NERR 5
24
25  # The next NERR+3 lines must have NMEA+1 fields in this format:
26  # - in the 1st line: 'MEANAME' followed by NMEA distinct measurement names
27  #   (measurement names may contain only alphanumeric characters or spaces);
28  # - in the 2nd line: 'OBSNAME' followed by the NMEA names (with NOBS distinct
29  #   values) of the observables measured by the corresponding measurements
30  #   (observable names may contain only alphanumeric characters or spaces
31  #   and should preferably be at most 3 characters long);
32  # - in the 3rd line: 'MEAVAL' followed by the NMEA measured central values;
33  # - in each of the last NERR lines: the error source name followed by the
34  #   NMEA partial errors for each measurement due to the given error source
35  #   (error source names may contain only alphanumeric characters or spaces).
36  # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print substr($1,2,1)$2}'' | sed 's| |  |g'
37  MEANAME  A183  A189  A192  A196  A200  A202  A205  A207  D183  D189  D192  D196  D200  D202  D205  D207  L183  L189  L192  L196  L200  L202  L205  L207  O183  O189
            O192  O196  O200  O202  O205  O207
38  # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print "C"$2}'' | sed 's| |  |g'
39  OBSNAME   183   189   192   196   200   202   205   207   183   189   192   196   200   202   205   207   183   189   192   196   200   202   205   207   183   189
            192   196   200   202   205   207
40  # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $3}''
41  MEAVAL  15570 15710 17230 17000 16980 16160 16570 17320 15860 15830 16900 17860 17350 17670 17440 16500 16530 16240 16390 16670 16940 16950 17350 17957 15430 16300
            16600 18590 16320 18480 15970 17770
42  # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $4}'' | sed 's| |  |g'
43  Stat      620   340   890   540   530   740   520   410   690   380  1000   590   560   810   600   430   670   370   900   550   570   850   590   450   610   340
            880   600   540   810   520   420
44  # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $7}'' | sed 's| |  |g'
45  LCEU        0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
              0     0     0     0     0     0
46  # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $8}'' | sed 's| |  |g'
47  LCEC       90    50    50    50    50    50    50    50    85    70    70    70    70    80    60    60    80    44    80    80    80    80    80    80   140    65
            120   120    99   115    96    92
48  # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $9}'' | sed 's| |  |g'
```

```
49 │ LUEU        93      89      89      89      89      89      89      89      65      50      60      60      60      65      54      50     138      76      84      84      84      84      84      84       0       0
   │              0       0       0       0       0       0
50 │ # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $10}'' | sed 's| |    |g'
51 │ LUEC       256     148     148     148     148     148     148     148     235     181     200     200     200     206     205     195     205     202     210     210     210     210     210     210     219     168
   │            402     413     367     404     357     369
52 │
53 │ # The next NMEA*(NMEA-1)/2+1 rows must have NERR+2 fields in this format:
54 │ # - in the 1st line: 'CMEA1' 'CMEA2' (correlations between 2 measurements)
55 │ #    followed by the NERR error source names in the same order used above;
56 │ # - in each of the NMEA*(NMEA-1)/2 last lines: the names of two distinct
57 │ #    measurements followed by the NERR correlations between the partial
58 │ #    errors on the two measurements due to corresponding error source.
59 │ #    Measurements must appear in the same order listed above.
60 │ # === From: adlo="A D L O"; ecms="183 189 192 196 200 202 205 207"; for a1 in $adlo; do for e1 in $ecms; do for a2 in $adlo; do for e2 in $ecms; do m1=$a1$e1; m2=
   │    $a2$e2; lueu=0; lcec=1; if [ "$e1" == "$e2" ]; then lceu=1; else lceu=0; fi; if [ "$a1" == "$a2" ]; then luec=1; else luec=0; fi; if [[ $m2 > $m1 ]]; then echo "
   │    $m1    $m2     0    $lceu     $lcec     $lueu    $luec"; fi; done; done; done; done
61 │ CMEA1 CMEA2 Stat LCEU LCEC LUEU LUEC
62 │ A183    A189    0    0    1    0    1
63 │ A183    A192    0    0    1    0    1
64 │ A183    A196    0    0    1    0    1
65 │ A183    A200    0    0    1    0    1
66 │ A183    A202    0    0    1    0    1
67 │ A183    A205    0    0    1    0    1
68 │ A183    A207    0    0    1    0    1
69 │ A183    D183    0    1    1    0    0
70 │ A183    D189    0    0    1    0    0
71 │ A183    D192    0    0    1    0    0
72 │ A183    D196    0    0    1    0    0
73 │ A183    D200    0    0    1    0    0
74 │ A183    D202    0    0    1    0    0
75 │ A183    D205    0    0    1    0    0
76 │ A183    D207    0    0    1    0    0
77 │ A183    L183    0    1    1    0    0
78 │ A183    L189    0    0    1    0    0
79 │ A183    L192    0    0    1    0    0
80 │ A183    L196    0    0    1    0    0
81 │ A183    L200    0    0    1    0    0
82 │ A183    L202    0    0    1    0    0
83 │ A183    L205    0    0    1    0    0
84 │ A183    L207    0    0    1    0    0
85 │ A183    O183    0    1    1    0    0
86 │ A183    O189    0    0    1    0    0
87 │ A183    O192    0    0    1    0    0
88 │ A183    O196    0    0    1    0    0
89 │ A183    O200    0    0    1    0    0
90 │ A183    O202    0    0    1    0    0
91 │ A183    O205    0    0    1    0    0
92 │ A183    O207    0    0    1    0    0
93 │ A189    A192    0    0    1    0    1
94 │ A189    A196    0    0    1    0    1
95 │ A189    A200    0    0    1    0    1
96 │ A189    A202    0    0    1    0    1
97 │ A189    A205    0    0    1    0    1
98 │ A189    A207    0    0    1    0    1
99 │ A189    D183    0    0    1    0    0
100│ A189    D189    0    1    1    0    0
101│ A189    D192    0    0    1    0    0
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103	A189	D200	0	0	1	0	0
104	A189	D202	0	0	1	0	0
105	A189	D205	0	0	1	0	0
106	A189	D207	0	0	1	0	0
107	A189	L183	0	0	1	0	0
108	A189	L189	0	1	1	0	0
109	A189	L192	0	0	1	0	0
110	A189	L196	0	0	1	0	0
111	A189	L200	0	0	1	0	0
112	A189	L202	0	0	1	0	0
113	A189	L205	0	0	1	0	0
114	A189	L207	0	0	1	0	0
115	A189	O183	0	0	1	0	0
116	A189	O189	0	1	1	0	0
117	A189	O192	0	0	1	0	0
118	A189	O196	0	0	1	0	0
119	A189	O200	0	0	1	0	0
120	A189	O202	0	0	1	0	0
121	A189	O205	0	0	1	0	0
122	A189	O207	0	0	1	0	0
123	A192	A196	0	0	1	0	1
124	A192	A200	0	0	1	0	1
125	A192	A202	0	0	1	0	1
126	A192	A205	0	0	1	0	1
127	A192	A207	0	0	1	0	1
128	A192	D183	0	0	1	0	0
129	A192	D189	0	0	1	0	0
130	A192	D192	0	1	1	0	0
131	A192	D196	0	0	1	0	0
132	A192	D200	0	0	1	0	0
133	A192	D202	0	0	1	0	0
134	A192	D205	0	0	1	0	0
135	A192	D207	0	0	1	0	0
136	A192	L183	0	0	1	0	0
137	A192	L189	0	0	1	0	0
138	A192	L192	0	1	1	0	0
139	A192	L196	0	0	1	0	0
140	A192	L200	0	0	1	0	0
141	A192	L202	0	0	1	0	0
142	A192	L205	0	0	1	0	0
143	A192	L207	0	0	1	0	0
144	A192	O183	0	0	1	0	0
145	A192	O189	0	0	1	0	0
146	A192	O192	0	1	1	0	0
147	A192	O196	0	0	1	0	0
148	A192	O200	0	0	1	0	0
149	A192	O202	0	0	1	0	0
150	A192	O205	0	0	1	0	0
151	A192	O207	0	0	1	0	0
152	A196	A200	0	0	1	0	1
153	A196	A202	0	0	1	0	1
154	A196	A205	0	0	1	0	1
155	A196	A207	0	0	1	0	1
156	A196	D183	0	0	1	0	0
157	A196	D189	0	0	1	0	0
158	A196	D192	0	0	1	0	0

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160  A196   D200    0    0    1    0    0
161  A196   D202    0    0    1    0    0
162  A196   D205    0    0    1    0    0
163  A196   D207    0    0    1    0    0
164  A196   L183    0    0    1    0    0
165  A196   L189    0    0    1    0    0
166  A196   L192    0    0    1    0    0
167  A196   L196    0    1    1    0    0
168  A196   L200    0    0    1    0    0
169  A196   L202    0    0    1    0    0
170  A196   L205    0    0    1    0    0
171  A196   L207    0    0    1    0    0
172  A196   O183    0    0    1    0    0
173  A196   O189    0    0    1    0    0
174  A196   O192    0    0    1    0    0
175  A196   O196    0    1    1    0    0
176  A196   O200    0    0    1    0    0
177  A196   O202    0    0    1    0    0
178  A196   O205    0    0    1    0    0
179  A196   O207    0    0    1    0    0
180  A200   A202    0    0    1    0    1
181  A200   A205    0    0    1    0    1
182  A200   A207    0    0    1    0    1
183  A200   D183    0    0    1    0    0
184  A200   D189    0    0    1    0    0
185  A200   D192    0    0    1    0    0
186  A200   D196    0    0    1    0    0
187  A200   D200    0    1    1    0    0
188  A200   D202    0    0    1    0    0
189  A200   D205    0    0    1    0    0
190  A200   D207    0    0    1    0    0
191  A200   L183    0    0    1    0    0
192  A200   L189    0    0    1    0    0
193  A200   L192    0    0    1    0    0
194  A200   L196    0    0    1    0    0
195  A200   L200    0    1    1    0    0
196  A200   L202    0    0    1    0    0
197  A200   L205    0    0    1    0    0
198  A200   L207    0    0    1    0    0
199  A200   O183    0    0    1    0    0
200  A200   O189    0    0    1    0    0
201  A200   O192    0    0    1    0    0
202  A200   O196    0    0    1    0    0
203  A200   O200    0    1    1    0    0
204  A200   O202    0    0    1    0    0
205  A200   O205    0    0    1    0    0
206  A200   O207    0    0    1    0    0
207  A202   A205    0    0    1    0    1
208  A202   A207    0    0    1    0    1
209  A202   D183    0    0    1    0    0
210  A202   D189    0    0    1    0    0
211  A202   D192    0    0    1    0    0
212  A202   D196    0    0    1    0    0
213  A202   D200    0    0    1    0    0
214  A202   D202    0    1    1    0    0
215  A202   D205    0    0    1    0    0
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216	A202	D207	0	0	1	0	0
217	A202	L183	0	0	1	0	0
218	A202	L189	0	0	1	0	0
219	A202	L192	0	0	1	0	0
220	A202	L196	0	0	1	0	0
221	A202	L200	0	0	1	0	0
222	A202	L202	0	1	1	0	0
223	A202	L205	0	0	1	0	0
224	A202	L207	0	0	1	0	0
225	A202	O183	0	0	1	0	0
226	A202	O189	0	0	1	0	0
227	A202	O192	0	0	1	0	0
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232	A202	O207	0	0	1	0	0
233	A205	A207	0	0	1	0	1
234	A205	D183	0	0	1	0	0
235	A205	D189	0	0	1	0	0
236	A205	D192	0	0	1	0	0
237	A205	D196	0	0	1	0	0
238	A205	D200	0	0	1	0	0
239	A205	D202	0	0	1	0	0
240	A205	D205	0	1	1	0	0
241	A205	D207	0	0	1	0	0
242	A205	L183	0	0	1	0	0
243	A205	L189	0	0	1	0	0
244	A205	L192	0	0	1	0	0
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248	A205	L205	0	1	1	0	0
249	A205	L207	0	0	1	0	0
250	A205	O183	0	0	1	0	0
251	A205	O189	0	0	1	0	0
252	A205	O192	0	0	1	0	0
253	A205	O196	0	0	1	0	0
254	A205	O200	0	0	1	0	0
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256	A205	O205	0	1	1	0	0
257	A205	O207	0	0	1	0	0
258	A207	D183	0	0	1	0	0
259	A207	D189	0	0	1	0	0
260	A207	D192	0	0	1	0	0
261	A207	D196	0	0	1	0	0
262	A207	D200	0	0	1	0	0
263	A207	D202	0	0	1	0	0
264	A207	D205	0	0	1	0	0
265	A207	D207	0	1	1	0	0
266	A207	L183	0	0	1	0	0
267	A207	L189	0	0	1	0	0
268	A207	L192	0	0	1	0	0
269	A207	L196	0	0	1	0	0
270	A207	L200	0	0	1	0	0
271	A207	L202	0	0	1	0	0
272	A207	L205	0	0	1	0	0

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273  A207    L207     0    1    1    0    0
274  A207    O183     0    0    1    0    0
275  A207    O189     0    0    1    0    0
276  A207    O192     0    0    1    0    0
277  A207    O196     0    0    1    0    0
278  A207    O200     0    0    1    0    0
279  A207    O202     0    0    1    0    0
280  A207    O205     0    0    1    0    0
281  A207    O207     0    1    1    0    0
282  D183    D189     0    0    1    0    1
283  D183    D192     0    0    1    0    1
284  D183    D196     0    0    1    0    1
285  D183    D200     0    0    1    0    1
286  D183    D202     0    0    1    0    1
287  D183    D205     0    0    1    0    1
288  D183    D207     0    0    1    0    1
289  D183    L183     0    1    1    0    0
290  D183    L189     0    0    1    0    0
291  D183    L192     0    0    1    0    0
292  D183    L196     0    0    1    0    0
293  D183    L200     0    0    1    0    0
294  D183    L202     0    0    1    0    0
295  D183    L205     0    0    1    0    0
296  D183    L207     0    0    1    0    0
297  D183    O183     0    1    1    0    0
298  D183    O189     0    0    1    0    0
299  D183    O192     0    0    1    0    0
300  D183    O196     0    0    1    0    0
301  D183    O200     0    0    1    0    0
302  D183    O202     0    0    1    0    0
303  D183    O205     0    0    1    0    0
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311  D189    L183     0    0    1    0    0
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313  D189    L192     0    0    1    0    0
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316  D189    L202     0    0    1    0    0
317  D189    L205     0    0    1    0    0
318  D189    L207     0    0    1    0    0
319  D189    O183     0    0    1    0    0
320  D189    O189     0    1    1    0    0
321  D189    O192     0    0    1    0    0
322  D189    O196     0    0    1    0    0
323  D189    O200     0    0    1    0    0
324  D189    O202     0    0    1    0    0
325  D189    O205     0    0    1    0    0
326  D189    O207     0    0    1    0    0
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328  D192    D200     0    0    1    0    1
329  D192    D202     0    0    1    0    1
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333	D192	L189	0	0	1	0	0
334	D192	L192	0	1	1	0	0
335	D192	L196	0	0	1	0	0
336	D192	L200	0	0	1	0	0
337	D192	L202	0	0	1	0	0
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339	D192	L207	0	0	1	0	0
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346	D192	O205	0	0	1	0	0
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349	D196	D202	0	0	1	0	1
350	D196	D205	0	0	1	0	1
351	D196	D207	0	0	1	0	1
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356	D196	L200	0	0	1	0	0
357	D196	L202	0	0	1	0	0
358	D196	L205	0	0	1	0	0
359	D196	L207	0	0	1	0	0
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361	D196	O189	0	0	1	0	0
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363	D196	O196	0	1	1	0	0
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366	D196	O205	0	0	1	0	0
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369	D200	D205	0	0	1	0	1
370	D200	D207	0	0	1	0	1
371	D200	L183	0	0	1	0	0
372	D200	L189	0	0	1	0	0
373	D200	L192	0	0	1	0	0
374	D200	L196	0	0	1	0	0
375	D200	L200	0	1	1	0	0
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382	D200	O196	0	0	1	0	0
383	D200	O200	0	1	1	0	0
384	D200	O202	0	0	1	0	0
385	D200	O205	0	0	1	0	0
386	D200	O207	0	0	1	0	0

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388	D202	D207	0	0	1	0	1
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390	D202	L189	0	0	1	0	0
391	D202	L192	0	0	1	0	0
392	D202	L196	0	0	1	0	0
393	D202	L200	0	0	1	0	0
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396	D202	L207	0	0	1	0	0
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398	D202	O189	0	0	1	0	0
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404	D202	O207	0	0	1	0	0
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408	D205	L192	0	0	1	0	0
409	D205	L196	0	0	1	0	0
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433	D207	O196	0	0	1	0	0
434	D207	O200	0	0	1	0	0
435	D207	O202	0	0	1	0	0
436	D207	O205	0	0	1	0	0
437	D207	O207	0	1	1	0	0
438	L183	L189	0	0	1	0	1
439	L183	L192	0	0	1	0	1
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441	L183	L200	0	0	1	0	1
442	L183	L202	0	0	1	0	1
443	L183	L205	0	0	1	0	1

444	L183	L207	0	0	1	0	1
445	L183	O183	0	1	1	0	0
446	L183	O189	0	0	1	0	0
447	L183	O192	0	0	1	0	0
448	L183	O196	0	0	1	0	0
449	L183	O200	0	0	1	0	0
450	L183	O202	0	0	1	0	0
451	L183	O205	0	0	1	0	0
452	L183	O207	0	0	1	0	0
453	L189	L192	0	0	1	0	1
454	L189	L196	0	0	1	0	1
455	L189	L200	0	0	1	0	1
456	L189	L202	0	0	1	0	1
457	L189	L205	0	0	1	0	1
458	L189	L207	0	0	1	0	1
459	L189	O183	0	0	1	0	0
460	L189	O189	0	1	1	0	0
461	L189	O192	0	0	1	0	0
462	L189	O196	0	0	1	0	0
463	L189	O200	0	0	1	0	0
464	L189	O202	0	0	1	0	0
465	L189	O205	0	0	1	0	0
466	L189	O207	0	0	1	0	0
467	L192	L196	0	0	1	0	1
468	L192	L200	0	0	1	0	1
469	L192	L202	0	0	1	0	1
470	L192	L205	0	0	1	0	1
471	L192	L207	0	0	1	0	1
472	L192	O183	0	0	1	0	0
473	L192	O189	0	0	1	0	0
474	L192	O192	0	1	1	0	0
475	L192	O196	0	0	1	0	0
476	L192	O200	0	0	1	0	0
477	L192	O202	0	0	1	0	0
478	L192	O205	0	0	1	0	0
479	L192	O207	0	0	1	0	0
480	L196	L200	0	0	1	0	1
481	L196	L202	0	0	1	0	1
482	L196	L205	0	0	1	0	1
483	L196	L207	0	0	1	0	1
484	L196	O183	0	0	1	0	0
485	L196	O189	0	0	1	0	0
486	L196	O192	0	0	1	0	0
487	L196	O196	0	1	1	0	0
488	L196	O200	0	0	1	0	0
489	L196	O202	0	0	1	0	0
490	L196	O205	0	0	1	0	0
491	L196	O207	0	0	1	0	0
492	L200	L202	0	0	1	0	1
493	L200	L205	0	0	1	0	1
494	L200	L207	0	0	1	0	1
495	L200	O183	0	0	1	0	0
496	L200	O189	0	0	1	0	0
497	L200	O192	0	0	1	0	0
498	L200	O196	0	0	1	0	0
499	L200	O200	0	1	1	0	0
500	L200	O202	0	0	1	0	0

501	L200	0205	0	0	1	0	0
502	L200	0207	0	0	1	0	0
503	L202	L205	0	0	1	0	1
504	L202	L207	0	0	1	0	1
505	L202	0183	0	0	1	0	0
506	L202	0189	0	0	1	0	0
507	L202	0192	0	0	1	0	0
508	L202	0196	0	0	1	0	0
509	L202	0200	0	0	1	0	0
510	L202	0202	0	1	1	0	0
511	L202	0205	0	0	1	0	0
512	L202	0207	0	0	1	0	0
513	L205	L207	0	0	1	0	1
514	L205	0183	0	0	1	0	0
515	L205	0189	0	0	1	0	0
516	L205	0192	0	0	1	0	0
517	L205	0196	0	0	1	0	0
518	L205	0200	0	0	1	0	0
519	L205	0202	0	0	1	0	0
520	L205	0205	0	1	1	0	0
521	L205	0207	0	0	1	0	0
522	L207	0183	0	0	1	0	0
523	L207	0189	0	0	1	0	0
524	L207	0192	0	0	1	0	0
525	L207	0196	0	0	1	0	0
526	L207	0200	0	0	1	0	0
527	L207	0202	0	0	1	0	0
528	L207	0205	0	0	1	0	0
529	L207	0207	0	1	1	0	0
530	0183	0189	0	0	1	0	1
531	0183	0192	0	0	1	0	1
532	0183	0196	0	0	1	0	1
533	0183	0200	0	0	1	0	1
534	0183	0202	0	0	1	0	1
535	0183	0205	0	0	1	0	1
536	0183	0207	0	0	1	0	1
537	0189	0192	0	0	1	0	1
538	0189	0196	0	0	1	0	1
539	0189	0200	0	0	1	0	1
540	0189	0202	0	0	1	0	1
541	0189	0205	0	0	1	0	1
542	0189	0207	0	0	1	0	1
543	0192	0196	0	0	1	0	1
544	0192	0200	0	0	1	0	1
545	0192	0202	0	0	1	0	1
546	0192	0205	0	0	1	0	1
547	0192	0207	0	0	1	0	1
548	0196	0200	0	0	1	0	1
549	0196	0202	0	0	1	0	1
550	0196	0205	0	0	1	0	1
551	0196	0207	0	0	1	0	1
552	0200	0202	0	0	1	0	1
553	0200	0205	0	0	1	0	1
554	0200	0207	0	0	1	0	1
555	0202	0205	0	0	1	0	1
556	0202	0207	0	0	1	0	1
557	0205	0207	0	0	1	0	1

Input data file: `sww.bfin`.