Tests of TOF and WC detectors at 3F experimental room in Kyoto University (Ver. 2015/4/3, Toshiyuki Gogami)

Run	Name	Date	Trigger	HV	Threshold [mV]	Rate [Hz]	Event	Remarks
	Toshiyuki 1 Gogami (dragon)	2014/10/10 18:30	1	1	250	10	5000	Rough analysis> TOF resolution (sigma) = 1.5 ns
	2 dragon	2014/10/10 19:00	1	1	250	10	50000	
	3 dragon	2014/10/10 20:00	1	1	400	8	50000	Threshold was changed to 400 mV from 250 mV from this run. Rough analysis – > TOF resolution = 1.3 ns (sigma) without correction
	4 dragon	2014/10/11 9:40	1	1	400	8	1500	applied to ADC1 for test.
	5 dragon	2014/10/11 9:55	1	1	400	8	50000	Attenuations of 24db and 28db were applied to ADC1 and ADC2, respectively for test.
	6 dragon	2014/10/11 16:00	1	1	400	8	5000	Attenuations of 24db were applied to all ADC channels. (test run)
	7 dragon	2014/10/11 16:30	1	1	400	7	50000	Attenuations of 24db (Atte. 24) were applied to all ADC channels.
	8 dragon		1	1	400	7	50000	Atte. 24
	9 dragon		1	1	400	7		Atte. 24
	0 dragon		1	1	400	7		Atte. 24
	1 dragon		1	1	400	7		Atte. 24
	2 dragon		1	1	400 400	7		Atte. 24
	3 dragon	<u> </u>	1	1	400	7		Atte. 24 Atte. 24
	4 dragon 5 dragon		1	1	400	7		Atte. 24
	6 dragon		1	1	400	7		Atte. 24
	7 dragon		1	1				Atte. 24
<u>.</u> 1	8 dragon		1	1	400	7		Atte. 24
	9 dragon		1	1	400	7		Atte. 24
	0 dragon		1	1	400	7		Atte. 24
	1 dragon		1	1	400	7		Atte. 24
	2 dragon		1	1	400	7	50000	Atte. 24
2	3 dragon		1	1	400	7	50000	Atte. 24
2	4 dragon		1	1	400	7		Atte. 24
2	5 dragon		1	1	400	7	50000	Atte. 24
2	6 dragon		1	1	400	7		Terminated in the middle. Conditions are the same with the previous run.
2	7 dragon	2014/10/13 12:00	1	1	400	7	5000	to all ADC channels. ADC looks OK
2	8 dragon	2014/10/13 12:20	1	1	400	7		Atte. 16 PC was crashed during this run.
2	9 dragon	2014/10/14 10:00	1	1	400	7	50000	Atte. 16
3	0 dragon	2014/10/14 12:30	1	1	400	7	20000	Atte. 16
3	1 dragon	2014/10/13 13:20	1	1	400	7		Atte. 16 Terminated in the middle by myself.
3	2 Kazuma Kato (K.Kato)	2014/10/14 10:00	1	1	400	7	5000	Atte. 16
3	3 K.Kato		1	1	400	7	50000	Atte. 16 DAQ PC was crashed in the middle of data taking.

K.Kato dragon	2014/10/14 17:30	1	1	400	7	50000	Atte. 16 DAQ PC was crashed in the previous run. Therefore, I rebooted the DAQ PC and restarted
dragon	2014/10/15	1	1	400	7	50000	taking data. Atte. 16
dragon	10.30	1	1	400	7	50000	Atte 16
			1				
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			1				
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		1	1				
dragon		1	1	400	7	50000	Atte. 16
dragon	2014/10/16 15:10	1	1	400	7	5000	Atte. 16 Data stream was changed: ADC1 ADC2 ADC3 ADC4 TDC1 TDC2 TDC3 TDC4 NTDC1 NTDC2 NADC1 NADC2 (NADC: Noritake ADC, NTDC: Noritake TDC) Attenuator channels were swapped,
dragon		1	1	400	7	50000	CH1 <> CH3 Attenuator channels were swapped, CH1 <> CH3
dragon	2014/10/16 18:22	1	1	400	7	50000	Atte. 16 Attenuator channels were returned to the original positions. Delay modules were swapped, CH1 <> CH3
dragon		1	1	400	7	50000	same as run48.
			1				same as run48.
		1	1				same as run48.
		1	1				
			1				same as run48.
			- 1				same as run48.
			1				same as run48.
dragon		1	1	400	/	50000	same as run48.
dragon		1	1	400	7	50000	Delay modules were retuened to the original position.
dragon K.Kato T.Noritake	2014/10/17 18:15	1	1	400	7	50000	Center of scintillator(TDC3,4): 25cm -> 13.5cm Upper TOF detector (CH3 and CH4) was displaced by 11.5cm from the center.
dragon K.Kato T.Noritake		1	1	400	7	50000	Same as run57.
K.Kato T.Noritake		1	1	400	7	50000	Same as run57.
K.Kato T.Noritake		1	1	400	7	50000	Same as run57.
dragon K.Kato T.Noritake		1	1	400	7	50000	Same as run57.
dragon K.Kato T.Noritake		1	1	400	7	50000	Same as run57.
	dragon	dragon	dragon 17:30	dragon 17.30	dragon 17.50	dragon 17.30	dragon 17.50

dragon									
T.Nortake									
dragon	63	K.Kato		1	1	400	7	50000	Same as run57.
64 K.Kato		T.Noritake							
64 K.Kato		dragon							
T.Noritake	64			1	1	400	7	50000	Same as run57
dragon	"				'	400	,	30000	Carrie as runo7.
66 K. Kato									
T.Noritake									
dragon	65	K.Kato		1	1	400	7	50000	Same as run57.
dragon		T.Noritake							
66 K.Kato									
T.Noritake	66			1	1	400	7	50000	Sama as w.m. 57
dragon	00			ı	'	400	,	30000	Same as runo7.
67 K.Kato									
T Noritake dragon									
dragon	67	K.Kato		1	1	400	7	50000	Same as run57.
dragon		T.Noritake							
68 KKato									
T.Noritake dragon	60			1	-1	400	7	50000	Sama aa wux 57
dragon	00			ı		400	,	30000	Same as runo7.
69 K.Kato									
T.Noritake		dragon							
dragon	69	K.Kato		1	1	400	7	50000	Same as run57.
dragon									
70 K.Kato 1 1 400 7 50000 Same as run57.									
T. Noritake						400	_	F0000	C
dragon	I /0			1	1	400	/	50000	Same as runb/.
71 K.Kato 1 1 400 7 50000 Same as run57.		T.Noritake							
71 K.Kato 1 1 400 7 50000 Same as run57.		dragon							
T.Noritake dragon 1	71			1	1	400	7	50000	Same as run57
dragon 72 K.Kato 1	1			•	•		,		came as range.
72 K.Kato 1 1 400 7 50000 Same as run57.									
T.Noritake						400	_		
dragon	72			1	1	400	7	50000	Same as run57.
73 K.Kato 1 1 400 7 50000 Same as run57.		T.Noritake							
73 K.Kato 1 1 400 7 50000 Same as run57.		dragon							
T.Noritake dragon 1 1 400 7 50000 Same as run57.	73			1	1	400	7	50000	Same as run57
1	'5				'	400	,	30000	Carrie as runo7.
74 K.Kato									
T.Noritake dragon 1									
Topitake	74	K.Kato		1	1	400	7	50000	Same as run57.
Topitake		T.Noritake							
75 K.Kato 1 1 400 7 50000 Same as run57.									
T.Noritake dragon T.Noritake	75			1	1	400	7	50000	Sama as run57
T.Noritake	/3				'	400	,	30000	Same as runo7.
T.Noritake									
T.Noritake									
77 dragon 2014/10/20 1 1 400 7 50000 Same as run57. 78 dragon 1 1 400 7 50000 Same as run57. 79 dragon 1 1 400 7 50000 Same as run57. 80 dragon 1 1 400 7 50000 Same as run57. 81 dragon 1 1 400 7 50000 Same as run57. 82 dragon 1 1 400 7 50000 Same as run57. 83 dragon 1 1 400 7 50000 Same as run57. 84 dragon 1 1 400 7 50000 Same as run57. 85 dragon 1 1 400 7 50000 Same as run57. 86 dragon 1 1 400 7 50000 Same as run57. 87 dragon 1 1 400 7 50000 Same as run57. 88 T.Noritake dragon 1 1 400 7 50000 Same as run57. 89 T.Noritake dragon 1 1 400 7 50000 Same as run88. 90 T.Noritake dragon 1 1 400 7 50000 Same as run88. 91 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88. 93 T.Noritake dragon 1 1 400 7 50000 Same as run88. 94 T.Noritake dragon 1 1 400 7 50000 Same as run88. 95 T.Noritake dragon 1 1 400 7 50000 Same as run88. 96 T.Noritake dragon 1 1 400 7 50000 Same as run88. 97 T.Noritake dragon 1 1 400 7 50000 Same as run88. 98 T.Noritake dragon 1 1 400 7 50000 Same as run88.	76	K.Kato		1	1	400	7	50000	Same as run57.
10:15		T.Noritake							
10:15			2014/10/20						_
78 dragon	77	dragon		1	1	400	7	50000	Same as run57.
79 dragon	70	1	10.10	4	- 1	400		F0000	6 [7
80 dragon					1				
81 dragon	79	dragon		1	1				
81 dragon	80	dragon		1	1	400	7	50000	Same as run57.
82 dragon 1 1 400 7 50000 Same as run57. 83 dragon 1 1 400 7 50000 Same as run57. 84 dragon 1 1 400 7 50000 Same as run57. 85 dragon 1 1 400 7 50000 Same as run57. 87 dragon 1 1 400 7 50000 Same as run57. 87 dragon 1 1 400 7 50000 Same as run57. 88 dragon 1 1 400 7 50000 Same as run57. 89 dragon 2014/10/21 1 1 400 7 50000 Same as run88. 90 T.Noritake dragon 1 1 400 7 50000 Same as run88. 91 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88.				1	1	400	7	50000	Same as run57.
83 dragon 1 1 400 7 50000 Same as run57. 84 dragon 1 1 400 7 50000 Same as run57. 85 dragon 1 1 400 7 50000 Same as run57. 86 dragon 1 1 400 7 50000 Same as run57. 87 dragon 1 1 400 7 50000 This run is terminated by Noritake on purpose. 88 T.Noritake dragon 2014/10/21 1 1 400 7 50000 This run is terminated by Noritake other on purpose. 89 T.Noritake dragon 1 1 400 7 50000 This run is terminated by Noritake other on purpose. 90 T.Noritake dragon 1 1 400 7 50000 Same as run88. 91 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88.				1	1				
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87 dragon				1	1	400	7		
87 dragon 1 1 400 7 50000 This run is terminated by Noritake on purpose. Applied voltage for MPPC (Noritake's detector) was changed to 68 V from 70 V. 89 T.Noritake dragon 1 1 400 7 50000 Same as run88. 90 T.Noritake dragon 1 1 400 7 50000 Same as run88. 91 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88. 93 T.Noritake 1 1 400 7 50000 Same as run88. 93 T.Noritake 1 1 400 7 50000 Same as run88.		<u> </u>		<u> </u>			-		
Noritake on purpose. Applied voltage for MPPC (Noritake's detector) was changed to 68 V from 70 V.	0.7	ala aaa		1	4	400	7	E0000	
88 T.Noritake dragon 2014/10/21 1 1 400 7 50000 Applied voltage for MPPC (Noritake's detector) was changed to 68 V from 70 V. 89 T.Noritake dragon 1 1 400 7 50000 Same as run88. 90 T.Noritake dragon 1 1 400 7 50000 Same as run88. 91 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88. 93 T.Noritake dragon 1 1 400 7 50000 Same as run88.	0/	uragon		ı		400	,	30000	
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Solution Solution									
Solution Solution	00	T.Noritake	0014/10/01	4	4	400	_,	E0000	(Noritake's detector) was
Noritake	I 88		2014/10/21	1	1	400	/	อบบบบ	
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90 dragon		dragon		•	·		·		
90 dragon	00	T.Noritake		4	4	400		E0000	
91 T.Noritake dragon 1 1 400 7 50000 Same as run88. 92 T.Noritake dragon 1 1 400 7 50000 Same as run88. 93 T.Noritake 1 1 400 7 50000 Same as run88.	90	dragon		I	ı	400	/	50000	Same as run88.
91 dragon									
92 T.Noritake dragon 1 1 1 400 7 50000 Same as run88.	91			1	1	400	7	50000	Same as run88.
92 dragon	<u> </u>								
dragon	92			1	1	4 00	7	50000	Same as run88
93 T.Noritake 1 1 1 400 7 50000 Same as run88		dragon		'				55500	
I 93I I I II II ΔΟΟΙ /I ΝΟΟΙΟΙΝΑΜΕ AS FUNXX		T Maritaka			4	400	-	F0000	6
1	93			1	1	400	/	50000	Same as run88.
		~0~!!							

94	dragon	2014/10/22 15:00	1'	1	400(TOF1,2 ,3,4), 200(TOF5)	7	5000	Output data stream was changed. TADC1 TADC2 TADC3 TADC4 TTDC1 TTDC2 TTDC3 TTDC4 (TOF detector) NTDC1 NTDC2 NADC1 NADC2 (Noritake's detector) TADC5 TTDC5 (Small scintillation detector) ADC gate was delayed to reduce the number of use of variable delay modules, but TDC start was not changed. ADC timing of all channels were readjusted. TOF detector is moved to the center position (center crossing).
95	dragon		1'	1	400, 200	7	10000	Same as run94.
	dragon	2014/10/22 16:20	1'		400, 80	7		Discriminator threshold for TOF: CH5 (small scintillation counter) was changed to 80 mV from 200 mV. Data taking was terminated during run97.
97	dragon		1'	1	400, 80	7	50000	Same as run96. Data taking was terminated during this run.
98	dragon	2014/10/22 18:00	1'	1	400, 80	7	50000	Conditions are the same as run96.
99	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
100	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
101	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
102	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
103	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
104	dragon	2014/10/23 11:00	1'	1	400, 80	7	50000	Conditions are the same as run96. Data taking was crashed during this run. So, DAQ PC was rebooted after this run.
105	dragon	2014/10/23 14:00	1'	1	400, 80	7	50000	Conditions are the same as run96.
106	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
107	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
108	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
109	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
110	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
111	dragon		1'	1	400, 80	7	50000	Conditions are the same as run96.
	dragon	2014/10/23	1'		400, 80	7	50000	Conditions are the same as run96. Conditions are the same
113	dragon		1'	1	400, 80	7	50000	as run96.

114 dragon			1				1		
114 dragon									
by our hand. Applied voltages to the water Cherenkov detector were changed. WC-CH1:1800 V> 2000 V WC-CH2:3:2400 V> 2600 V This run was terminated by hand. 116 K.Takenaka 120 Id/10/24 11 Id/0. 80 7 50000 Conditions are the same as run115. 120 K.Takenaka 117 Id/0. 80 7 50000 Conditions are the same as run115. 120 K.Takenaka 118 Id/agon, K.Takenaka 119 Id/0. 80 7 50000 Conditions are the same as run115. 120 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 120 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 120 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 120 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 121 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 122 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 123 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 124 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 125 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 126 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 126 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 127 K.Takenaka 110 Id/0. 80 7 50000 Conditions are the same as run115. 128 K.Takenaka 120 Id/10/27 120 Id/0. 80 7 50000 Conditions are the same as run115. 128 K.Takenaka 1800 20 Id/10/27 120 Id/0. 80 120 Id/10/27 130 Id/0. 80 120 Id	114	dragon	2014/10/24	1'	1	400, 80	7	50000	Data stream was changed: TADC1 TADC2 TADC3 TADC4 TTDC1 TTDC2 TTDC3 TTDC4 NTDC1 NTDC2 NADC1 NADC2 TADC5 TTDC5 WADC1(H11284,ZK6920) WADC2(H6522,LA1542) WADC3(H6522,LA1537) HV setting for WC> CH1:H11284:1800V, CH2- 3:H6522:2400V. Gate width was changed to 140 ns from 80 ns. Upper TOF counter was moved by 11.5 cm to CH1 side in order to set the TOF detector over the center of water
115 dragon, K.Takenaka 19:45 1									
116 dragon, 2014/10/24 1' 1 400, 80 7 50000	115	dragon, K.Takenaka		1'	1	400, 80	7	50000	water Cherenkov detector were changed. WC-CH1:1800 V> 2000 V WC-CH2,3:2400 V>
116 K.Takenaka		dragon	2014/10/24						by hand.
117 K.Takenaka		K.Takenaka	2011/10/21	1'	1	400, 80	7	50000	as run115.
119 dragon	'''	K.Takenaka		1'	1	400, 80	7	50000	as run115.
119 K.Takenaka	118	dragon, K.Takenaka		1'	1	400, 80	7	50000	
120 K.Takenaka				1'	1	400, 80	7	50000	
121 dragon, K.Takenaka		dragon,		1'	1	400, 80	7	50000	
122 dragon, 1' 1 400, 80 7 50000 Conditions are the same as run115. DAQ PC was crashed during this run.	121	dragon,		1'	1	400, 80	7	50000	Conditions are the same
123 dragon, 1 1 400, 80 7 50000 DAQ PC was crashed during this run. DAQ PC was rebooted before this run was started. Data taking was terminated by hand. 126 dragon 2014/10/27 1 1 400, 80 7 50000 Data taking was terminated by hand. 126 dragon 2014/10/27 1 1 400, 80 7 50000 Conditions are the same as run115. 127 dragon 2014/10/27 1 1 400, 80 7 50000 Conditions are the same as run115. 128 dragon, 2014/10/27 1 1 400, 80 7 50000 Conditions are the same as run115. 128 dragon, 2014/10/27 1 TOF: 400 TOF5: 80 LED: 5.4 V, 35 ns 129 dragon, K.Takenaka 2 1 400, 80 LED: 5.6 V, 35 ns 130 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns 131 dragon, Conditions are the same as run115. LED: 5.8 V, 35 ns 131 dragon, Conditions are the same as run115. LED: 5.8 V, 35 ns LED: 5.8 V, 35	122	dragon,		1'	1	400, 80	7		Conditions are the same
124 dragon 2014/10/27 9:00 1' 1 400, 80 7 50000 before this run was started. 125 dragon 1' 1 400, 80 7 50000 before this run was started. 126 dragon 2014/10/27 13:30 1' 1 400, 80 7 50000 Conditions are the same as run115. 127 dragon 2014/10/27 16:15 1' 1 400, 80 7 50000 Conditions are the same as run115. 128 dragon, K.Takenaka 2014/10/27 2 1 TOF: 400 TOF5: 80 LED: 5.4 V, 35 ns 129 dragon, K.Takenaka 2 1 400, 80 LED: 5.6 V, 35 ns 130 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns	123	dragon,		1'	1	400, 80	7		Conditions are the same as run115. DAQ PC was crashed
125 dragon 1 1 400, 80 7 50000 terminated by hand. 126 dragon 2014/10/27 13:30 1' 1 400, 80 7 50000 as run115. 127 dragon 2014/10/27 16:15 1' 1 400, 80 7 50000 as run115. 128 dragon, K.Takenaka 2014/10/27 2 1 TOF: 400 TOF5: 80 LED: 5.4 V, 35 ns 129 dragon, K.Takenaka 2 1 400, 80 LED: 5.6 V, 35 ns 130 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns	124	dragon		1'	1	400, 80	7	50000	DAQ PC was rebooted before this run was
126 dragon 2014/10/27 13:30 1' 1 400, 80 7 50000 Conditions are the same as run115. 127 dragon 2014/10/27 16:15 1' 1 400, 80 7 50000 Conditions are the same as run115. 128 dragon, K.Takenaka 2014/10/27 2 1 TOF: 400 TOF5: 80 LED: 5.4 V, 35 ns 129 dragon, K.Takenaka 2 1 400, 80 LED: 5.6 V, 35 ns 130 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns	125	dragon		1'	1	400, 80	7	50000	
127 dragon 2014/10/27 1/16:15 1' 1 400, 80 7 50000 Conditions are the same as run115. 128 dragon, K.Takenaka 18:00 2014/10/27 2 1 TOF: 400 TOF5: 80 LED: 5.4 V, 35 ns 129 dragon, K.Takenaka 130 dragon, K.Takenaka 130 dragon, K.Takenaka 131 dragon, 2 1 400, 80 LED: 5.6 V, 35 ns 131 dragon, K.Takenaka 131 dragon, K.Takenaka 131 dragon, K.Takenaka 131 dragon, 2 1 400, 80 LED: 5.8 V, 35 ns	126	dragon		1'	1	400, 80	7	50000	Conditions are the same
128 dragon, K.Takenaka 2014/10/27 18:00 2 1 TOF: 400 TOF5: 80 LED: 5.4 V, 35 ns 129 dragon, K.Takenaka 2 1 400, 80 LED: 5.6 V, 35 ns 130 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns 131 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns	127	dragon	2014/10/27	1'	1	400, 80	7		Conditions are the same
129 dragon, K.Takenaka 2 1 400, 80 LED: 5.6 V, 35 ns 130 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns 131 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns	128	_	2014/10/27	2	1				
130 dragon, K.Takenaka 2 1 400, 80 LED: 5.8 V, 35 ns		dragon, K Takenaka		2	1				LED: 5.6 V, 35 ns
121 dragon, 2 1 400 80 LED: 50 V 35 no	130	dragon,		2	1	400, 80			LED: 5.8 V, 35 ns
	131			2	1	400, 80			LED: 5.9 V, 35 ns

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132	dragon, K.Takenaka		2	1	400, 80			LED: 5.9 V, 35 ns
133	IK. Lakenaka		2	1	400, 80			LED: 5.85 V, 35 ns
	dragon, K.Takenaka		2	1	400, 80			LED: 5.85 V, 35 ns
	dragon, K.Takenaka		2	1	400, 80			LED: 5.82 V, 35 ns
136	dragon, K.Takenaka		2	1	400, 80			LED: 5.82 V, 35 ns
137	dragon, K.Takenaka		2	1	400, 80			LED: 5.80 V, 35 ns, junk ?
138	dragon, K.Takenaka		2	1	400, 80			LED: 35 ns
139	dragon, K.Takenaka		2	1	400, 80			LED: 35 ns
140	dragon, K.Takenaka		2	1	400, 80			LED: 5.80 V, 8 ns
1/1	dragon		2	1	400, 80			LED: 5.80 V, 8 ns
1/12	dragon,		2	1	400, 80			LED: 9.30 V, 9 ns
143	K.Takenaka dragon,		2	1	400, 80			LED: 9.50 V, 9 ns (OFF)
144	dragon,		2		400, 80			LED: 9.50 V, 9 ns (OFF)
1/15	K. I akenaka dragon,		2		400, 80			LED: 9.50 V, 9 ns
146	dragon,		2		400, 80			LED: 9.50 V, 9 ns
	K. I akenaka		2		400, 80			LED: 9.70 V, 9 ns
	K.Takenaka dragon,				400, 80			WC1 looks OK. LED: 9.70 V, 9 ns
	IX. I ancilana		2		,			WC1 looks OK.
149	dragon, K.Takenaka dragon,		2	1	400, 80			LED: 9.40 V, 10 ns
	dragen		2	1	400, 80			LED: 9.50 V, 10 ns
101	K.Takenaka		2		400, 80			LED: 9.50 V, 10 ns
152	K.Takenaka		2		400, 80			WC1 is OK. GOOD !!
	dragon, K.Takenaka		2	1	400, 80			LED: 9.80 V, 10 ns
154	IK. Lakenaka		2	1	400, 80			LED: 9.79 V, 10 ns
	dragon, K.Takenaka		2	1	400, 80			LED: 9.65 V, 10 ns WC3 looks OK.
100	K. i akenaka		2	1	400, 80			LED: 9.65 V, 10 ns WC3 looks OK.
157	IK. Lakenaka		2	1	400, 80			LED: 9.65 V, 10 ns WC3 looks OK.
	dragon, K.Takenaka		2	1	400, 80			LED: 9.67 V, 10 ns WC2 looks OK.
	dragon, K.Takenaka		2	1	400, 80			LED: 9.67 V, 10 ns WC2 looks OK.
	dragon, K.Takenaka		2	1	400, 80			LED: 9.67 V, 10 ns high stat.
101	IK. Lakenaka		2	1	400, 80			LED: 9.57 V, 10 ns high stat.
	dragon, K.Takenaka		2	1	400, 80			LED: 9.57 V, 10 ns high stat.
163	dragon, K.Takenaka		2	1	400, 80			LED: 9.54 V, 10 ns
	dragon, K.Takenaka		2	1	400, 80			LED: 9.54 V, 10 ns
	dragon, K.Takenaka	2014/10/27 20:43	1'	1	400, 80	7	50000	Data taking with cosmic ray was restarted.
	dragon, K.Takenaka		1'	1	400, 80	7	50000	
167	dragon, K.Takenaka		1'	1	400, 80	7	50000	
168	dragan		1'	1	400, 80	7	50000	
160	dragon		1'	1	400, 80	7	50000	
170	dragon		1'	1	400, 80	7	50000	
<u> </u>	ır. ı akenaka	<u> </u>			<u> </u>			

171	dragon, K.Takenaka		1'	1	400, 8	80	7	50000	MPPC configuration was changed during run 171 (2014/10/28).
172	dragon, K.Takenaka		1'	1	400,	80	7	50000	Data taking was terminated in run172.
173	dragon	2014/10/28 17:00	1'	1	400,	80	7	50000	
	dragon		1'		400, 8		7	50000	
	dragon		1'		400,		7	50000	
	dragon		1'		400,		7	50000	
	dragon		1'		400,		7	50000	
	dragon		1'		400,		7	50000	
	dragon		1' 1'		400, 8		7	50000 50000	
	dragon		ı						Data taking was
181	dragon		1'	1	400,	80	7	50000	terminated in this run.
182	dragon		3	1	400,	80	25	50000	commission in time rum
	dragon		4	1	,		1300		WC1 self trigger
	dragon		5	1	TOF: TOF: WC: 3	5: 80	750		WC2 self trigger Data stream was changed!! (TDCs of WC were added.) TADC1 TADC2 TADC3 TADC4 TTDC1 TTDC2 TTDC3 TTDC4 NTDC1 NTDC2 NADC1 NADC2 TADC5 TTDC5 WADC1 WADC2 WADC3 WTDC1 WTDC2 WTDC3
185	dragon		6	1	400.	80, 30	400	50000	WC3 self trigger
	dragon		2	1		80, 30			LED: 9.54 V, 10 ns (OFF)
	dragon		2			80, 30			LED: 9.54 V, 10 ns
188	dragon		2			80, 30		50000	LED: 9.54 V, 9 ns (OFF)
	dragon		2	1		80, 30			LED: 9.54 V, 9 ns
	dragon		2	1		80, 30			LED: 9.54 V, 12 ns
	dragon		2	1		80, 30			LED: 9.60 V, 9 ns
	dragon		2	1		80, 30			LED: 9.80 V, 9 ns (OFF)
	dragon		2	1		80, 30			LED: 9.80 V, 9 ns
	dragon		2	1		80, 30			LED: 9.90 V, 9 ns
195	dragon		2	1	400,	80, 30		50000	LED: 9.85 V, 9 ns
196	dragon		2			80, 30		50000	LED: 9.88 V, 9 ns (OFF)
	dragon		2			80, 30			LED: 9.88 V, 9 ns
198	dragon		2	1	400,	80, 30		50000	LED: 9.87 V, 9 ns
199	dragon		2	1	400, 8	80, 30		50000	LED: 9.875 V (1 mV offset), 9 ns
200	dragon		2	1	400, 8	80, 30		50000	LED: 9.875 V (1 mV offset), 9 ns
201	dragon		2	1	400.	80, 30		50000	LED: 9.88 V, 9 ns
	dragon	2014/10/29 17:00	1'			80, 30			just for check. ADC and TDC were ok, but the trigger condition was
203	dragon, K.Takenaka	2014/10/29 17:30	1'	1	400, 8	80, 30			wrong (see also RUN203). Small scintillation detector was moved by 25 cm toward 2-PMT side. Junk. Concidence
	dro co	2014/10/29							condition was wrong.
204	dragon, K.Takenaka	17:39	1'	1	400,	80, 30	7		This run was terminated by hand.
205	dragon, K.Takenaka	2014/10/29 17:50	1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.
206	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.
207	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.
208	dragon, K.Takenaka		1'	1	400, 8	80, 30	7		Conditions are the same as run 204.
	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.
	K. I akenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.
211	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.

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212	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.
213	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 204.
214	dragon, K.Takenaka	2014/10/30 18:40	1'	1	400,	80, 30	7	50000	Small scintillation detector was moved by 25 cm toward WC CH1 (H11284) from the cetner of WC.
215	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
216	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
217	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
210	IK. Lakenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
219	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
220	K. I akenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
221	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
222	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run214.
223	dragon, K.Takenaka	2014/10/31 17:00	7	1	400,	80, 30		50000	
224	dragon, K.Takenaka		7	1	400,	80, 30		50000	Offset parameter is 8ns. Sr90 @ 5cm which is closer to CH2.
225	dragon, K.Takenaka		7	1	400,	80, 30		50000	Sr90 @ 10cm which is closer to CH2.
226	dragon, K.Takenaka		7	1	400,	80, 30		50000	Sr90 @ 15cm which is closer to CH2
227	dragon		7	1	400,	80, 30		50000	Sr90 @ 20cm which is closer to CH2.
228	dragon, K.Takenaka		7	1	400,	80, 30		50000	Sr90 @ 25cm which is closer to CH2.
229	dragon, K.Takenaka		7	1	400,	80, 30		50000	Sr90 @ -5cm which is closer to CH1.
230	dragon, K.Takenaka		7	1	400,	80, 30		50000	Sr90 @ -20cm which is closer to CH1.
231	dragon, K.Takenaka	2014/10/31 18:00	1'	1	400,	80, 30	7	50000	Small scintillation detector was moved by 12.5 cm toward WC CH1 (H11284) from the cetner of WC.
232	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 231.
233	K. I akenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 231.
234	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 231.
235	dragon, K.Takenaka		1'	1	400,	80, 30	7	50000	Conditions are the same as run 231. Data taking was stopped due to crash in run235.
236	dragon	2014/11/4 9:10	1'	1	400,	80, 30	7	50000	Conditions are the same as run 231. PC was rebooted, and data taking was restarted
237	dragon		1'	1	400,	80, 30	7	50000	Conditions are the same as run 231.
238	dragon		1'	1	400,	80, 30	7	50000	Conditions are the same as run 231.
239	dragon		1'	1	400,	80, 30	7	50000	Conditions are the same as run 231. Data taking was terminated in this run by hand.
240	dragon, K.Takenaka	2014/11/4 17:50	1'	1	400,	80, 30	7	50000	The small scintillation detector was moved to the center of the water Cherenkov detector.

251 K.Takenaka 18:10		T	•	1							
242 dragon			2014/11/5								as run240.
242 dragon	241	dragon		1'	1	400,	80,	30	7	50000	DAQ PC was rebooted, and data taking was
242 dragon, dragon, 2014/11/5 1' 1 400, 80, 30 7 50000 and data taking was rebooted, restarted, creatarted, creatarted, and dragon, dragon, 47 50000 and data taking was restarted, and dragon, dragon, 47 50000 and data taking was restarted, and dragon, 47 50000 and data taking was restarted, and dragon, 47 50000 and dista taking was restarted, and dragon, 47 50000 and dista taking was restarted, and dragon, 47 50000 and dista taking was restarted, and dragon, 47 50000 and dista taking was restarted, 47 50000 and dista taking was restarted, 47 50000 and dista taking was restarted, 47 50000 and dragon, 47 50000 and dista taking was restarted, 47 50000 and dista taking was restarted, 47 50000 and distance and 47 50000 and distance are the same as run240 and dragon, 47 50000 and											
244 KTakenaka 1 1 1 1 1 1 1 1 1				1'	1	400,	80,	30	7	50000	run242.
244 K.Takenaka	243	dragon, K.Takenaka		1'	1	400,	80,	30	7	50000	and data taking was
249 K.Takenaka	244	K.Takenaka		1'	1	400,	80,	30	7	50000	as run240.
246 dragon, 1	245			1'	1	400,	80,	30	7	50000	
248 K.Takenaka	246	dragon,		1'	1	400,	80,	30	7	50000	Conditions are the same
248 K-Takenaka	247			1'	1	400,	80,	30	7	50000	as run240.
249 K.Takenaka	248	K.Takenaka		1'	1	400,	80,	30	7	50000	as run240.
250 K-Takenaka	249	K.Takenaka		1'	1	400,	80,	30	7	50000	as run240.
251 dragon, K.Takenaka 2014/11/6 1' 1 400, 80, 30 7 50000 by 12.5 cm from the center of the water Cherenkov detector. 252 dragon, K.Takenaka 1' 1 400, 80, 30 7 50000 Conditions are the same as run251. 253 K.Takenaka 1' 1 400, 80, 30 7 50000 Conditions are the same as run251. 254 dragon, K.Takenaka 1' 1 400, 80, 30 7 50000 Conditions are the same as run251. 255 dragon, K.Takenaka 1' 1 400, 80, 30 7 50000 Conditions are the same as run251. 256 dragon, K.Takenaka 1' 1 400, 80, 30 7 50000 Conditions are the same as run251. 257 dragon 2014/11/7 1' 1 400, 80, 30 7 50000 Conditions are the same as run251. 258 dragon 2014/11/7 1' 1 400, 30, 30 7 50000 Conditions are the same as run251. 257 dragon 2014/11/7 1' 1 400, 30, 30 7 50000 Conditions are the same as run251. 258 dragon 1' 1 400, 30, 30 7 50000 Conditions are the same as run251. 259 dragon 2014/11/7 3' 1 400, 30, 30 7 50000 Conditions are the same as run251. 259 dragon 2014/11/10 3 1 400, 30, 30 7 50000 Conditions are the same as run251. 259 dragon 2014/11/10 3 1 400, 30, 30 7 50000 Conditions are the same as run251. 259 dragon 2014/11/10 3 1 400, 30, 30 7 50000 Conditions are the same as run251. 250 dragon 2014/11/10 3 1 400, 30, 30 5 50000 Conditions are the same as run257. 250000 Conditions are the sam	250	_		1'	1	400,	80,	30	7	50000	as run240.
252 K.Takenaka 1 1 400, 80, 30 7 50000 Conditions are the same as run251.	251	_		1'	1	400,	80,	30	7	50000	was moved to 2-PMT side by 12.5 cm from the center of the water
254	232	K.Takenaka		1'	1	400,	80,	30	7	50000	
254 K.Takenaka	253	dragon, K.Takenaka		1'	1	400,	80,	30	7	50000	as run251.
255 K.Takenaka 1' 1 400, 80, 30 7 50000 Sortidors are the same as run251. Conditions are the same as run251. Conditions are the same as run251. Data taking was terminated by hand in run 256 to check TDC7 which is TDC of small scintillation detector. There is no datum for TDC7 It was found that a discriminator module for 30000 TDC7 line was dead So, in the same of the same as run251. It was found that a discriminator module for 30000 TDC7 line was dead So, in the same of the same	254	K.Takenaka		1'	1	400,	80,	30	7	50000	as run251.
256 dragon, 1' 1 400, 80, 30 7 50000 2014/11/10 3 1 400, 30, 30 27 50000 2014/11/10 3 1 400, 30, 30 27 50000 2014/11/10 3 1 400, 30, 30 27 50000 2014/11/10 3 1 400, 30, 30 27 50000 2014/11/10 3 1 400, 30, 30 5 50000 2014/11/10 261 dragon 2014/11/10 1' 1 400, 30, 30 5 50000 262 dragon 2014/11/10 1' 1 400, 30, 30 5 50000 262 dragon 2014/11/10 1' 1 400, 30, 30 5 50000 262 dragon 2014/11/10 1' 1 400, 30, 30 5 50000 262 dragon 1' 1 400, 30, 30 5 50000 262 dragon 1' 1 400, 30, 30 5 50000 263 dragon 1' 1 400, 30, 30 5	255	uragori,		1'	1	400,	80,	30	7	50000	
257 dragon 2014/11/7 1 1 400, 30, 30 7 50000 TDC7 line was dead So, it was moved to different module. —> Looks OK.	256	dragon, K.Takenaka		1'	1	400,	80,	30	7	50000	as run251. Data taking was terminated by hand in run 256 to check TDC7 which is TDC of small scintillation detector. There is no datum for
258 dragon	257	dragon		1'	1	400,	30,	30	7	50000	It was found that a discriminator module for TDC7 line was dead So, it was moved to different
259 dragon	258	dragon		1'	1	400,	30,	30	7	50000	
260 dragon 2014/11/10 3 1 400, 30, 30 27 50000 Trigger is a self-trigger of WC to check the pedestals of TOF's ADC. This run was terminated by hand. 261 dragon 2014/11/10 1' 1 400, 30, 30 5 50000 Conditions are the same as run257. 262 dragon 1' 1 400, 30, 30 5 50000 263 dragon 1' 1 400, 30, 30 5 50000	259	dragon		1'	1	400,	30,	30	7		RUN259 was terminated by hand. Poweroutage will be in this weekend, so data taking is stopped now. See
261 dragon 2014/11/10 9:50 1' 1 400, 30, 30 5 50000 Conditions are the same as run257. 262 dragon 1' 1 400, 30, 30 5 50000 263 dragon 1' 1 400, 30, 30 5 50000	260	dragon		3	1	400,	30,	30	27		Data taking was started after everything was turned ON. Trigger is a self-trigger of WC to check the pedestals of TOF's ADC. This run was terminated
9:50 as run257. 262 dragon 1' 1 400, 30, 30 5 50000 263 dragon 1' 1 400, 30, 30 5 50000	261	dragon		1'	1	400,	30,	30	5	50000	Conditions are the same
263 dragon 1' 1 400, 30, 30 5 50000			ช:วบ		1	· ·					as runzo/.
264 dragon 1' 1 400, 30, 30 5 50000	263	dragon		1'	1	400,	30,	30	5	50000	
	264	dragon	<u> </u>	1'	1	400,	30,	30	5	50000	

265	dragon	2014/11/10 21:00	1'	2	400,	30,	30	5	50000	HVs were changed: WC-CH1(H11284): 2000>1900 V WC-CH2(H6522): 2600>2650 V WC-CH3(H6522): 2600>2650 V
266	dragon		1'	2	400,	30,	30	5	50000	Conditions are the same as run265.
267	dragon		1'	2	400,	30,	30	5	50000	Conditions are the same as run265.
268	dragon		1'	2	400,	30,	30	5	50000	Conditions are the same as run265.
269	dragon		1'	2	400,	30,	30	5	50000	Conditions are the same as run265.
270	dragon		1'	2	400,	30,	30	5	50000	Conditions are the same as run265.
271	dragon	2014/11/11	1'	2	400,	30,	30	5	50000	Conditions are the same as run265.
272	dragon, K.Takenaka	16:30	2	2	400,	30,	30		50000	LED: 9.24 V, 10ns
273	dragon, K.Takenaka		2		400,					LED: 9.18 V, 10 ns
274	dragon, <u>K.Takenaka</u> dragon,		2		400,					LED: 9.18 V, 10 ns
275	K.Takenaka		2	2	400,	30,	30		50000	LED: 9.18 V, 10 ns
276	dragon, K.Takenaka		2	3	400,	30,	30		50000	HVs were changed: WC-CH1(H11284): 1900> 1700 V WC-CH2(H6522): 2650> 2550 V WC-CH2(H6522): 2650> 2550 V
	dragon,									LED: 9.18 V, 10 ns
277	K.Takenaka		2	3	400,	30,	30		150000	LED: 9.18 V, 10 ns Noticed that TDC1 and
2/8	dragon, K.Takenaka	2014/11/11 17:30	1'	3	400,	30,	30	5	50000	TDC3 are dead. This could be caused by discriminator for TDC line of TOF detector.
279	dragon, K.Takenaka		1'	3	400,	30,	30	5	50000	Conditions are the same as run278.
280	dragon, K.Takenaka		1'	3	400,	30,	30	5	50000	Conditions are the same as run278.
281	dragon, K.Takenaka		1'	3	400,	30,	30	5	50000	Conditions are the same as run278.
202	dragon, K.Takenaka		1'	3	400,	30,	30	5	50000	Conditions are the same as run278.
283	dragon, K.Takenaka		1'	3	400,	30,	30	5	50000	Conditions are the same as run278.
284	dragon, K.Takenaka		1'	3	400,	30,	30	5	50000	Conditions are the same as run278.
285	dragon, K.Takenaka		1'	3	400,	30,	30	5	50000	Conditions are the same as run278.
286 287										junk junk
288	dragon, K.Takenaka	2014/11/11 17:15	2	3	400,	30,	30	_	_	LED: 9.18 V, 10 ns
289	dragon, K.Takenaka		2	3	400,	30,	30	_	-	LED: 9.16 V, 10 ns
290	dragon, K.Takenaka		2	3	400,	30,	30	-	-	LED: 9.17 V, 10 ns After this, HVs are changed.: WC-CH1(H11284): 1700> 2000 V WC-CH2(H6522): 2550> 2600 V WC-CH2(H6522): 2550> 2600 V
291	K.Takenaka	2014/11/13 17:15	1'	1	400,	30,	30	5	50000	10 degrees cosmic ray incident angle. Small plastic scintillator is closer to 2-PMT side.

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292			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
293			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
294			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
295			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
296			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
297			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
298			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
299			1'	1	400,	30,	30	5	50000	Conditions are the same as run291.
300			1'	1	400,	30,	30	5	50000	Conditions are the same
301			1'	1	400,	30,	30	5	50000	as run291. Conditions are the same
302			1'	1	400,	30,	30	5	50000	as run291. Conditions are the same
303			1'		400,			5		as run291. Conditions are the same
304			1'		400,			5		as run291. Conditions are the same
305			1'		400,			5		as run291. Conditions are the same
306			'		100,	00,		0	00000	as run291. junk
307										junk
308	1	0014/11/00								junk
	dragon, K.Takenaka	2014/11/28 14:00	2	2 1	400,	30,	30	_	-	LED: 4.20 V, 10 ns
310	dragon, K.Takenaka	2014/11/28 14:00	2	2 1	400,	30,	30	_	_	LED: 4.10 V, 10 ns
311			2	2 1	400,	30,	30	_	_	Conditions are the same as run310.
312	dragon, K.Takenaka	2014/11/28 14:40	1'	1	400,	30,	30	5	50000	-10 degrees cosmic ray incident angle(Opposite angle with respect to RUN291-).
										Small plastic scintillator is closer to 1-PMT side.
313			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
314			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
315			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
316			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
317			1'	1	400,	30,	30	5	50000	Conditions are the same
318			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
319			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
320			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
321			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
322			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
323			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
324			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
325			1'	1	400,	30,	30	5	50000	Conditions are the same as run312.
										Conditions are the same as run312.
326			1'	1	400,	30,	30	5	50000	HV2 was uninstalled and returned back to Niyama-san(2014/12/1, 10:15, Toshiyuki Gogami).
					<u> </u>			<u> </u>		Toshiyuki Gogami).

		T						11) (0
327	dragon	2014/12/2 10:30	2	1	400, 30, 30	_	50000	HV2 was reinstalled. HV setting was same as that of previous: CH1: -2310 V CH2: -2000 V CH3: -2000 V (Dead) CH4: -2600 V LED: 4.2 V, 10 ns
								WC-CH2(H6522) was dead So, HV for the corresponding channel was turned off after this run.
328	dragon	2014/12/2 10:50	8	1	400, 30, 30	_	_	WC self trigger.This run was terminated by hand in the middle.
329	dragon	2014/12/2 10:50	1'	1	400, 30, 30	6	50000	Dead discriminator [Lecroy825 ~DSC5~] ~Circuit for TOF TDC line was changed: (OLD) 100 ns delay> DISCRI (Dead)> TDC (NEW) 100 ns delay> TDC ~> Data of TOF TDCs
		2014/12/2						Detector setup is the same as RUN312. Data
330	dragon	11:30	1'	1	400, 30, 30	6	50000	taking was terminated during RUN332.
331			1'	1	400, 30, 30	6	50000	Conditions are the same as run330.
332			1'	1	400, 30, 30	6	50000	Conditions are the same as run330.
333	dragon, K.Takenaka	2014/12/2 18:30	9	4	TOF1: 400 TOF2: 400			Experimental setup was totaly changed !!!! TOF CH1 (labeled to be H7195-2, RD7241): 2000 V [Lower] TOF CH2 (labeled to be H7195-1, RD7198): 2000 V [Upper] Data taking was terminated by hand in the middile.
334	dragon, K.Takenaka	2014/12/2 18:30	9	5	TOF1: 20 TOF2: 20			Threshold was changed to 20 mV from 400 mV. Data taking was terminated by hand in the middile. HV setting was changed: TOF CH1 (labeled to be H7195-2, RD7241): 2300 V [Lower] TOF CH2 (labeled to be H7195-1, RD7198): 2300 V [Upper]
335	dragon, K.Takenaka	2014/12/2 19:00	9	5	20, 20			Attenuator was uninstalled from ADC line. Data taking was terminated by hand in the middile.
	dragon, K.Takenaka	2014/12/2 20:00	9	5	20, 20	3.4	50000	Data taking was terminated during RUN342(2014/12/4 14:40, Toshiyuki Gogami).
337		2014/12/2 20:00	9	5	20, 20	3.4	50000	Conditions are the same as run336.

		2014/12/2							Conditions are the same
338		20:00	9	5	20,	20	3.4	50000	Conditions are the same as run336.
339		2014/12/2 20:00	9	5	20,	20	3.4	50000	Conditions are the same as run336.
340		2014/12/2 20:00	9	5	20,	20	3.4	50000	Conditions are the same as run336.
341		2014/12/2 20:00	9	5	20,	20	3.4	50000	Conditions are the same as run336.
342		2014/12/2 20:00	9	5	20,	20	3.4	50000	Conditions are the same as run336.
									Upper scintillator was moved by 20 cm. sqrt(20.0*20.0 + 30.5*30.5) = 36.5 cm. Path length between two scintillators is now 36.5 - 30.5 = 6 cm longer than before.
343	dragon	2014/12/4 14:50	9	5	20,	20	2.5	50000	This is was terminated by hand.
									2014/12/4 evening —> HVs for the plastic scintillators were turned off to install WC. Now the WC is set on a frame checking water leakage.
									CH1(lower) position: 35
									CH2(upper) position: 25 cm
344	dragon	2014/12/5 11:00	9	5	20,	20	1.3		sqrt(20.0*20.0 + 30.5*30.5) = 36.5 cm. Path length between two scintillators is now 36.5 - 30.5 = 6 cm longer than that of RUN336. Now water Cherenkov detector is installed between the scintillators.
									This run was terminated in the middle.
1 3471	dragon, K.Takenaka	2014/12/5	10	5	20,	20	_	_	The upper scintillator (CH2) disattached from the frame, and reattached.
	dragon, K.Takenaka	2014/12/5 15:30	11	5	20,	20	-	-	
	dragon, K.Takenaka	2014/12/5 15:30	9	5	20,	20	1.8	_	Conditions are the same as run344. This run was
	dragon, K.Takenaka	2014/12/5 18:50	9	5	20,	20	2.48	50000	terminated by hand. Two scintillators were set horizontal. The distance is 20 cm between them.
349			9	5	20,	20	2.48	50000	Conditions are the same as run348. Cernel panic occred at run349 on 12/5.
350	T.Kohei	2014/12/8 14:20	9	6	200	, 200	0.19		Applied HVs of two scintillation counter used for trigger are changed from -2300 V to -2500 V. Discriminator threshold of two scintillators are changed from -20 mV to -200 mV.
		0044/45/5							The two scintillators are put horizontally with a distance of 20 cm. An hour after the HV were changed, run350 started.
351	dragon, T.Kohei	2014/12/8 14:40	10	6	200	200	-	_	TOF1 self-trigger.

352	dragon,	2014/12/8	11	6	200,	200		L	TOF2 self-trigger.
332	K.Takenaka	14:40	- ''	U	200,	200			TOFZ Self-trigger.
353	dragon, T.Kohei	2014/12/8 14:45	9		200,		0.19	3000	
354			9		200,		0.19		
355 356			9		200,		0.19		
356			9		200, 200,		0.19		
358			9		200,		0.19		
359			9		200,		0.19		
360			9		200,		0.19		
361			9		200,		0.19		
362			9		200,		0.19		
363			9	6	200,	200	0.19	3000	
364			9		200,		0.19		
365			9		200,		0.19		
366			9		200,		0.19		
367			9		200,		0.19		
368			9		200, 200,		0.19		
369		2014/12/10	9	U	200,	200	0.19		Conditions are the same
370	dragon	18:30	9	6	200,	200	0.19	20000	as RUN353.
371			9	6	200,	200	0.19	20000	Conditions are the same as RUN353.
372			9	6	200,	200	0.19	20000	Conditions are the same as RUN353.
									Conditions are the same
									as RUN353.
373			9	6	200,	200	0.19	20000	
					,				RUN373 is terminated at
									14:37 on 12/8.
374	K.Takenaka	2014/12/12 18:30	9	7	100,	100	0.11		Before these runs, TOF2 labeled H7195–1(RD7198) was replaced with H7195–3(RD7186) because the former seemed to be broken. HVs are changed from – 2500V to –2400V because charege overflow is observed in the ADC histogram. Discriminator thresholds of TOF1,2 are changed from –200 to –100 mV. Configuration conditions
375			9	7	100,	100	0.11	20000	are the same as RUN353. Conditions are the same
376			9				+		as run3/4.
					100,		0.11		as run3/4.
377			9		100,		0.11		as run374.
378			9	7	100,	100	0.11		as run374. Conditions are the same
379			9	7	100,	100	0.11	20000	as run374.
380			9	7	100,	100	0.11	20000	Conditions are the same as run374.
381			9	7	100,	100	0.11	20000	Conditions are the same as run374.
382			9	7	100,	100	0.11	20000	Conditions are the same as run374.

		1					1			Took of oderdoor work odel
										Test of window material.
383	K.Takenaka	2014/12/17 19:10	9	7	50,	50	0.0	5	20000	Window is acrylite#000 made by mitsubishi rayon. Distance between two trigger scintis is about 23 cm. Discriminator threshold for TOF1,2 is changed to 50 mV. PMT for WC is W-07(H11284,ZK6920). HV =
										-2000V for WC and - 2400V for trigger scinti respectively. 2 hours after HV was applied, run383 started.
384	K.Takenaka	2014/12/17	2	7	50,	50	_	-		LED: 9.70 V, 11 ns in water
385			2	7	50,	50	-	-		Conditions are the same as run384.
386			2	7	50,	50	-	-		Conditions are the same as run384.
387	K.Takenaka	2014/12/17 19:40	2	7	50,	50	-	-		LED: 9.60 V, 11 ns in water
388		10110	2	7	50,	50	_	-		Conditions are the same as run387.
389	K.Takenaka	2014/12/17 20:05	Pedest al	7	50,	50	_	_		During these runs, I typed run340 by mistake. So run340 might become pedestal data.
390			Pedest al	7	50,	50	-	-		
391	K.Takenaka	2014/12/17 20:20	9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
392			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
393			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
394			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383. Run394 is terminated, but there is no problem.
395			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
396			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
397			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
398			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
399			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
400			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383. Run400 is terminated somehow, but no problem.
401			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
402			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
								T		Conditions are the same as RUN383.
403			9	7	50,	50	0.0	5	20000	Run403 is terminated somehow, but no problem on 2014/12/24/6:13.
404			9	7	50,	50	0.0	5	20000	Conditions are the same as RUN383.
405	K.Takenaka	2014/12/24 17:10	2	7	50,	50		-		LED: 9.60 V, 11 ns in water
406	K.Takenaka	2014/12/24 17:25	2	7	50,	50	_	_		LED: 9.52 V, 11 ns in water
407	K.Takenaka	2014/12/24 17:29	2	7	50,	50	_	-		LED: 9.54 V, 11 ns in water
408	K.Takenaka	2014/12/24 17:41	2	7	50,	50	-	_		LED: 9.56 V, 11 ns in water
	_	_	_		_	_	·	_	_	

409	K.Takenaka	2014/12/24 17:50	2	7	50,	50	-	_	LED: 9.58 V, 11 ns in water
410	K.Takenaka	2014/12/24 17:58	2	7	50,	50	-	-	LED: 9.60 V, 11 ns in water
411	K.Takenaka	2014/12/24 18:03	2	7	50,	50	_	_	LED: 9.62 V, 11 ns in water
412	K.Takenaka	2014/12/24 18:08	2	7	50,	50	_	_	LED: 9.64 V, 11 ns in water
413	K.Takenaka	2014/12/24	Pedest	7	50,	50	-	_	Pedestal run
414	K.Takenaka	18:15	al 2	7	50,	50	_	_	LED: 9.64 V, 11 ns in
									water LED: 9.63 V, 11 ns in
415	K.Takenaka	2014/12/24 18:35	2	7	50,	50	-	_	water GOOD
416	K.Takenaka	2014/12/24 18:52	2	7	50,	50	_	_	LED: 3.50 V, 11 ns outside water
417	K.Takenaka	2014/12/24 18:55	2	7	50,	50	_	_	LED: 3.53 V, 11 ns outside water
418	K.Takenaka	2014/12/24 18:59	2	7	50,	50	-	-	LED: 3.56 V, 11 ns outside water
410				7	E0	F0			GOOD Conditions are the same
420	K.Takenaka	2014/12/27 21:30	2		50,		-		Conditions are the same as run 418. The window of acrylite#000 is replaced with S0. WC is laid horizontally. Window side: H11284,ZK6920=W-07 & BC-630,Saint-Gobain Bottom side: H6522,LA1537 & V-788,Adhensive HVs are applied at 20:24 on 2014/12/27 HV: scinti=-2600V, H11284=-2000V, H6522=-2600V LED: 4.17 V, 8 ns window side.
421	K.Takenaka	2014/12/27 21:35	2	7	50,	50	-	_	LED: 4.16 V, 8 ns window side
422			2	7	50,	50	_	_	Conditions are the same as run 421.
423			2	7	50,	50	_	-	Conditions are the same as run420.
424	K.Takenaka	2014/12/27 21:58	Pedest al	7	50,	50	-	-	Pedestal run
425			Pedest al	7	50,	50	_	_	Conditions are the same as run424.
426	K.Takenaka	2014/12/27 22:14	9	7	50, WC	50 : 28	0.28	10000	Window:S-0 Window side: H11284,ZK6920 & BC-630(grease) Bottom side: H6522,LA1537 & V788 TOF1=up, TOF2=down, WC1=window side, WC2=bottom side RUN426 stopped 22:39,
427			9	7	50,		0.28	10000	but no problem.
427			9		50,		0.28	10000	
428			9		50,		0.28	10000	
					50,				
430			9			: 28	0.28	10000	

		1	ı					1		
431			9	7	50, 5 WC:			0.28	10000	
432			9	7	50, 5 WC:			0.28	10000	
433			9	7	50, 5 WC:	50		0.28	10000	
434			9	7	50, 5 WC:	50		0.28	10000	
435			9	7	50, 5 WC:	50		0.28	10000	
436			9	7	50, 5 WC:	50		0.28	10000	
437			9	7	50, 5 WC:	50		0.28	10000	RUN437 was terminated at 6:10 on 2014/12/30.
438	K.Takenaka	2014/12/30 6:43	2	7	50, 5		28	_	_	LED: 4.13 V, 8 ns window side
439	K.Takenaka	2014/12/30 6:49	2	7	50, 5	50, 2	28	_	_	LED: 4.14 V, 8 ns window side
										LED: 4.15 V, 8 ns
440	K.Takenaka	2014/12/30 6:59	2	7	50, 5	50, 2	28	_	_	window side
441			2	7	50, 5	50.2	28	_	_	GOOD for H11284 Conditions are the same
				,	30, 0	JO, 2				as run440.
442	K.Takenaka	2014/12/30	2	7	50, 5	50. 2	28	_	_	LED: 4.16V, 8 ns window side
		7:11			,					GOOD for H6522
443	K.Takenaka	2014/12/30	2	7	50, 5	50. 2	28	_	_	LED: 4.17 V, 8 ns
	K.Takenaka	7:19 2014/12/30	Pedest		50, 5			_	_	window side Pedestal run
	T. Takeriaka	7:26	al	,	50, 0	JO, 2				PMTs are ditached and
445	K.Takenaka	2014/12/30 10:33	2	7	50, 5	50, 2	28	_	-	attached. 45 min after HVs are applied. LED: 4.15 V, 8 ns window side
		0044/40/00	D							GOOD
446	K.Takenaka	2014/12/30 10:37	Pedest al	7	50, 5	50, 2	28	-	_	Pedestal run
447	K.Takenaka	2014/12/30 10:49	9	7	50, 5	50, 2	28	0.2	20000	Conditions are the same as run426-run437. These runs are for a check of reproducibility.
448			9	7	50, 5	50.2	28	0.2	20000	Conditions are the same
										as run 447. Conditions are the same
449			9		50, 5			0.2		as run 447. Conditions are the same
450			9	7	50, 5	50, 2	28	0.2	20000	as run 447. Conditions are the same
451			9	7	50, 5	50, 2	28	0.2	20000	as run 447.
452			9	7	50, 5	50, 2	28	0.2	20000	Conditions are the same as run 447. RUN452 was terminated at 1:52 on 2015/1/2
453			9	7	50, 5	50, 2	28	0.2	20000	RUN453 restarted at 14:00 on 2015/1/5.
454			9	7	50, 5	50, 2	28	0.2	20000	Conditions are the same as run 447.
455			9	7	50, 5	50, 2	28	0.2	20000	Conditions are the same as run 447. RUN455 was terminated at 17:00 on 2014/1/6.
	K.Takenaka K.Takenaka	2015/1/6 18:30 2015/1/6	2		50, §			-	-	After RUN455, clock generator was inserted. LED: 4.15 V, 8 ns window side GOOD for H11284 LED: 4.16 V, 8 ns
		18:42				-, -	•			window side

		ı								
		2015/1/6								LED: 4.18 V, 8 ns
458	K.Takenaka	2015/1/6 18:49	2	7	50,	50,	28	_	_	window side
		10.43								GOOD for H6522.
459	K.Takenaka	2015/1/6	Pedest	7	50,	50.	28	_	_	Pedestal run
		18:58	al		,	,				
										Setup Change: H11284 side
										grease:BC630>BaF2
										only HV was turned ON at
460	K.Takenaka	2015/1/6	2	٫	E0	EΛ	20			20:26 on 2015/1/6
400	N. Fakeriaka	22:05		· /	50,	50,	20			
										LED: 4.15 V, 8 ns
										window side
										GOOD for H11284
										LED: 4.165 V, 8 ns
461	K.Takenaka	2015/1/6	2	7	50,	50	28	_	_	window side
701	N. Fakcilaka	22:19		·	00,	50,	20			0000 (110500
		2015/1/6	Pedest							GOOD for H6522
462	K.Takenaka	22:30	al	7	50,	50,	28	_	_	Pedestal run
										H11284 side
		0045/11/6								grease:BC630>BaF2
463	K.Takenaka	2015/1/6 22:48	9	7	50,	50,	28	0.2	20000	The other condition is the
		22:46								same as RUN447-
										RUN455. (Window=S0)
464			9	7	50,	50	28	0.2	20000	Conditions are the same
707			, ,	,	30,	50,	20	0.2	20000	as run463.
465			9	7	50,	50,	28	0.2	20000	Conditions are the same as run463.
400				_			00	0.0	00000	Conditions are the same
466			9	/	50,	50,	28	0.2	20000	as run463.
407	W.T.	2015/1/8		_			00			LED: 4.15 V, 8 ns
46 /	K.Takenaka	16:54	2	′	50,	50,	28	_	_	window side GOOD for H11284
		0045 /4 /0								LED: 4.165 V, 8 ns
468	K.Takenaka	2015/1/8 17:03	2	7	50,	50,	28	_	_	window side
										GOOD for H6522
469	K.Takenaka	2015/1/8 17:12	Pedest al	7	50,	50,	28	_	_	Pedestal run
		17.12	aı							Setup Change:
										It is turned out that y has
										been 30cm since window
										test started. Position y is
										set from 30 to 35 cm. The other conditions are the
		2015/1/8		_						same as RUN463-466.
470	K.Takenaka	20:25	2	7	50,	50,	28	_	_	
										in an hour and half after
										HV was applied···
										LED: 4.63 V, 8 ns
										window side
										GOOD for H11284
171	K.Takenaka	2015/1/8	2	,	EΟ	E۷	20			LED: 4.68 V, 8 ns window side
4/1	п. гакепака	20:32	2	l ′	50,	υU,	۷٥			Window side GOOD for H6522
470	K.Takenaka	2015/1/8	Pedest	7	50,	50	20			Pedestal run
4/2	n. i anciiaka	20:39	al		50,	JU,	۷۵	<u> </u>		
										Window: S-0 Window side:
										Window side: H11284,ZK6920 &
		2015/1/8								BaF2(grease)
473	K.Takenaka	20:52	9	7	50,	50,	28	0.2	20000	Bottom side:
										H6522,LA1537 & V788
										TOF1=up, TOF2=down, WC1=window side,
				<u> </u>						WC2=bottom side
474			9	7	50,	50	28	0.2	20000	Conditions are the same
77-7			 	<u> </u>	33,	50,		0.2		as run 473.
475			9	7	50,	50,	28	0.2	20000	Conditions are the same as run 473.
		2015/1/9								LED: 4.64 V, 8 ns
476	K.Takenaka	19:26	2	7	50,	50,	28	[-	_	window side
		10.20]				<u> </u>		GOOD for H11284

		T								
477	K.Takenaka	2015/1/9 19:37	2	7	50,	50,	28	_	_	LED: 4.69 V, 8 ns GOOD for H6522
478	K.Takenaka	2015/1/9 19:50	Pedest al	7	50,	50,	28	_	_	Pedestal run
479	K.Takenaka	2015/1/9 21:49	2	7	50,	50,	28	_	-	Setup changes: Repeatability check. Only PMT H11284 wad detatched and atatched. Conditions are the same as RUN473-475. in an hour after HV was applied. LED: 4.43 V, 8 ns window side GOOD for H11284
480	K.Takenaka	2015/1/9 21:30	2	7	50,	50,	28			LED: 4.47 V, 8 ns window side GOOD for H6522
481	K.Takenaka	2015/1/9 21:39	Pedest al	7	50,	50,	28			Pedestal run
482	K.Takenaka	2015/1/9 22:00	9	7	50,	50,	28	0.2	20000	Window: S-0 Window side: H11284,ZK6920 & BaF2(grease) Bottom side: H6522,LA1537 & V788 TOF1=up, TOF2=down, WC1=window side, WC2=bottom side
483			9	7	50,	50,	28	0.2	20000	RUN483 was terminated at 17:42 on 2015/1/10.
484	K.Takenaka	2015/1/10 17:52	2	7	50,	50,	28	-	_	LED: 4.43 V, 8 ns window side GOOD for H11284
485	K.Takenaka	2015/1/10 18:04	2	7	50,	50,	28	-	_	LED: 4.47 V, 8 ns window side GOOD for H6522
486	K.Takenaka	2015/1/10 18:07	Pedest al	7	50,	50,	28	_	_	Pedestal run
487	K.Takenaka	2015/1/10 20:16	2	7	50,	50,	28	_	-	Setup changes: Check of PMT's individual difference. H11284: ZK6920(WC-07)>ZK6900(WC-02) LED: 4.16 V, 8 ns, window side GOOD for H11284
488	K.Takenaka	2015/1/10 19:58	2	7	50,	50,	28	-	_	LED: 4.20 V, 8 ns, window side GOOD for H6522
489	K.Takenaka	2015/1/10 20:04	2	7	50,	50,	28	-	_	LED: 4.21 V, 8 ns window side GOOD for H6522 (oome)
490	K.Takenaka	2015/1/10 20:10	Pedest al	7	50,	50,	28	_	_	Pedestal run
491	K.Takenaka	2015/1/10 20:23	9	7	50,	50,	28	0.2	20000	Window: S-0 Window side: H11284,ZK6900(WC-02) & BaF2(grease) Bottom side: H6522,LA1537 & V788 TOF1=up, TOF2=down, WC1=window side, WC2=bottom side
492					50,	50,	28	0.2	20000	RUN492 was terminated at 16:51 on 2015/1/1/11.
493	K.Takenaka	2015/1/11 17:01	2	7	50,	50,	28	-	_	LED: 4.16 V, 8 ns window side GOOD for H11284
494	K.Takenaka	2015/1/11 17:10	2	7	50,	50,	28	-	_	LED: 4.20 V, 8 ns, window side GOOD for H6522
495	K.Takenaka	2015/1/11 17:16	Pedest al	7	50,	50,	28	_	_	Pedestal run

A96 K.Takenaka 2015/1/11 2 7 50, 50, 28 - -											
497 K.Takenaka 2015/1/11 2 7 50 50 28 -	496	K.Takenaka		2	7	50,	50,	28	ı	-	Check of PMT's individual difference. H11284: ZK6900(WC-02)>ZK6917(WC-04) in an hour after HV was applied··· LED: 4.13V, 8ns, window side
A98 K.Takenaka	497	K.Takenaka		2	7	50,	50,	28	_	_	LED: 4.18 V, 8 ns window side
A99 K.Takenaka	498	K.Takenaka			7	50,	50,	28	_	_	Pedestal run
Solid Soli	499	K.Takenaka	2015/1/11		7	50,	50,	28	0.2	20000	Window side: H11284,ZK6917(WC-04) & BaF2(grease) Bottom side: H6522,LA1537 & V788 TOF1=up, TOF2=down, WC1=window side,
Solicy S	500			9	7	50,	50,	28	0.2	20000	RUN500 was terminated
Solution										_	LED: 4.13 V, 8 ns window side
Solition	502	K.Takenaka		2	7	50,	50,	28	_	_	LED: 4.13 V, 8 ns window side
Solition Solition	503	K.Takenaka		2	7	50,	50,	28	_	_	LED: 4.18 V, 8 ns, window side
Setup changes: Check of grease Check of grea	504	K.Takenaka	1 1		7	50,	50,	28	_	_	
Solid K.Takenaka 2015/1/12 2 7 50, 50, 28 -	505	K.Takenaka	2015/1/12		7	50,	50,	28	-	-	Check of grease dependence of NPE grease: BaF2>BC-630 H11284: ZK6917(WC-04)->ZK6920(WC-07) in an hour after HV was applied LED: 4.14 V, 8 ns, window side
506 K.Takenaka			2015 /1 /10								
507 K.Takenaka 2015/1/12 Pedest al 7 50, 50, 28 - Pedestal run Window: S-0 Window side: H11284,ZK6920(WC-07) & BC-630(grease) 8:33 9 7 50, 50, 28 0.2 20000 Bottom side: H6522,LA1537 & V788 TOF1=up. TOF2=down, WC1=window side, WC2=bottom side WC2=bottom side TOF1=up. TOF2=down, WC1=window side, WC2=bottom side TOF1=up. TOF2=down, WC1=window side WC2=bottom side TOF1=up. TOF2=down, WC1=window side TOF1=up. TOF2=down, WC1=window side TOF1=up. TOF2=down, WC1=window side TOF1=up. TOF2=down, WC2=bottom side TOF1=up. TOF2=down, WC1=window side TOF1=up. TOF2=down, WC1=window side TOF1=up. TOF2=down, WC2=bottom side TOF1=up. TOF2=down, WC1=window side TOF1=up. TOF1=up	506	K.Takenaka	18:12		7	50,	50,	28	_	_	window side
Sum	507	K.Takenaka			7	50,	50,	28			Pedestal run
509 9 7 50, 50, 28 0.2 20000 at 13:51 on 2015/1/13. 510 K.Takenaka 2015/1/13 14:17 2 7 50, 50, 28 - - LED: 4.14 V, 8 ns window side GOOD for H11284 511 K.Takenaka 2015/1/13 14:07 Pedest al 7 50, 50, 28 - - Pedestal run 512 K.Takenaka 2015/1/13 14:25 2 7 50, 50, 28 - - LED: 4.18 V, 8 ns window side	508	K.Takenaka	2015/1/12		7	50,	50,	28	0.2	20000	Window side: H11284,ZK6920(WC-07) & BC-630(grease) Bottom side: H6522,LA1537 & V788 TOF1=up, TOF2=down, WC1=window side, WC2=bottom side
510 K.Takenaka 2015/1/13 14:17 2 7 50, 50, 28 - - LED: 4.14 V, 8 ns window side GOOD for H11284 511 K.Takenaka 2015/1/13 14:07 Pedest al 7 50, 50, 28 - - Pedestal run 512 K.Takenaka 2015/1/13 14:25 2 7 50, 50, 28 - - LED: 4.18 V, 8 ns window side	509			9	7	50,	50,	28	0.2	20000	at 13:51 on 2015/1/1/13.
511 K.Takenaka 2015/1/13 Pedest al variable 7 50, 50, 28 Pedestal run 512 K.Takenaka 2015/1/13 2 7 50, 50, 28 Window side	510	K.Takenaka		2	7	50,	50,	28	_	_	LED: 4.14 V, 8 ns window side
512 K.Takenaka 2015/1/13 2 7 50, 50, 28 LED: 4.18 V, 8 ns window side	511	K.Takenaka			7	50,	50,	28	_		
	512	K.Takenaka	2015/1/13		7	50,	50,	28	_	_	window side

513	K.Takenaka	2015/1/14 14:48	2	7	50,	50,	28	_	_		Setup changes: Window test window: S0 >UV00 grease: BC630>BaF2 H6522 is newly detached and attached. In an our after HV was applied LED: 5.00 V, 8 ns window side
		0015 /1 /14									GOOD for H11284 LED: 5.05 V, 8 ns
514	K.Takenaka	2015/1/14 14:32	2	7	50,	50,	28	_	_		bottom side GOOD for H6522
515	K.Takenaka	2015/1/14 14:37	Pedest al	7	50,	50,	28	_	_		Pedestal run
516	K.Takenaka	2015/1/14 14:54	9	7	50,	50,	28	0.2		20000	Window: UV00 Window side: H11284,ZK6920(WC-07) & BaF2(grease) Bottom side: H6522,LA1537 & V788< newly detached & attached TOF1=up, TOF2=down, WC1=window side, WC2=bottom side RUN516 stopped at 21:34 on 2015/1/1/14 because of kernel panic. (It was turned out that LED light had been
517					50,	50,	28				switched on.) RUN517 started at 21:58 (It was turned out that LED light had been switched on.)
518					50,	50,	28				RUN518 was terminated at 12:56 on 2015/1/1/15. (It was turned out that LED light had been switched on.)
519	K.Takenaka	2015/1/15 13:04	2	7	50,	50,	28	_	_		LED: 5.00 V, 8 ns bottom side GOOD for H11284
520	K.Takenaka	2015/1/15 13:14	2	7	50,	50,	28	_	_		LED: 5.05 V, 8 ns bottom side GOOD for H6522
521	K.Takenaka	2015/1/15 13:28	Pedest al	7	50,	50,	28	_	-		Pedestal run
522	K.Takenaka	2015/1/15	9	7	50,	50,	28	0.2	:	20000	Window: UV00 Window side: H11284,ZK6920(WC-07) & BaF2(grease) Bottom side: H6522,LA1537 & V788< newly detached & attached TOF1=up, TOF2=down, WC1=window side, WC2=bottom side
523			9	7	50,	50,	28	0.2	- :	20000	
524			9	7	50,	50,	28	0.2	<u> </u>	701010101	RUN524 was terminated at 13:00 on 2015/1/16.
525	K.Takenaka	2015/1/16 13:11	2	7	50,	50,	28	_	_		LED: 5.00 V, 8 ns bottom side GOOD for H11284
526	K.Takenaka	2015/1/16 13:16	2	7	50,	50,	28	_	_		LED: 5.05 V, 8 ns bottom side GOOD for H6522
527	K.Takenaka	2015/1/16 13:22	Pedest al	7	50,	50,	28	_	-		Pedestal run

Setup changes: Repeatability check H11284 is detached and attached only. Other conditions are the same as the just previor run. In an hour after HV was applied LED: 4.97 V, 8 ns bottom side GOOD for H11284 LED: 5.04 V, 8 ns bottom side GOOD for H6522
S29 K.Takenaka 2015/1/16 15:26 2 7 50, 50, 28 - LED: 5.04 V, 8 ns bottom side GOOD for H6522
S30 K.Takenaka 2015/1/16 15:31 7 50, 50, 28 -
S31 K.Takenaka 2015/1/16 9 7 50, 50, 28 0.2 20000 Solution side: H11284,ZK6920(WC-07) BaF2(grease) Bottom side: H6522,LA1537 & V788 TOF1=up, TOF2=down, WC1=window side, WC2=bottom side WC2=bottom side WC2=bottom side WC2=bottom side S32 9 7 50, 50, 28 0.2 20000 RUN533 was terminated at 14:27 on 2015/1/17. LED: 4.97 V, 8 ns bottom side GOOD for H11284 LED: 5.04 V, 8 ns bottom side GOOD for H1284 LED: 5.04 V, 8 ns bottom side GOOD for H6522 S36 K Takenaka 2015/1/17 Pedest 7 50, 50, 28 -
532 9 7 50, 50, 28 0.2 20000 533 9 7 50, 50, 28 0.2 20000 RUN533 was terminated at 14:27 on 2015/1/17. 534 K.Takenaka 2015/1/17 14:36 2 7 50, 50, 28 - - LED: 4.97 V, 8 ns bottom side GOOD for H11284 535 K.Takenaka 2015/1/17 14:40 2 7 50, 50, 28 - - LED: 5.04 V, 8 ns bottom side GOOD for H6522 536 K.Takenaka 2015/1/17 Pedest 7 50, 50, 28 - - Pedestal run
533
534 K.Takenaka 2015/1/17 14:36 2 7 50, 50, 28 - - LED: 4.97 V, 8 ns bottom side GOOD for H11284 535 K.Takenaka 2015/1/17 14:40 2 7 50, 50, 28 - - - LED: 5.04 V, 8 ns bottom side GOOD for H6522 536 K.Takenaka 2015/1/17 Pedest 7 50, 50, 28 - - - Pedestal run
535 K.Takenaka 2015/1/17 2 7 50, 50, 28 bottom side GOOD for H6522
I high I akanaka I I I I I I I I I I I I I I I I I I
14:46 al 7 50, 50, 28 - - Pedestai run
Setup changes: window: UV00>acrylite#000 H6522 is also newly detached and attached. In an hour after HV was applied LED: 4.99 V, 8 ns bottom side GOOD for H11284
538 K.Takenaka 2015/1/17 19:54 2 7 50, 50, 28 LED: 5.04 V, 8 ns bottom side GOOD for H6522
539 K.Takenaka 2015/1/17 Pedesta 7 50, 50, 28 - Pedestal run
540 K.Takenaka 20.01 540 K.Takenaka 20.15/1/17 20:16 9 7 50, 50, 28 0.2 20000 Window: acrylite#000 Window side: H11284,ZK6920(WC-07) BaF2(grease) Bottom side: H6522,LA1537 & V788<-newly detached & attached TOF1=up, TOF2=down, WC1=window side, WC2=bottom side
541 9 7 50, 50, 28 0.2 20000
542 9 7 50 50 28 0.2 20000 RUN542 was terminated
543 K.Takenaka 2015/1/18 19:22 2 7 50, 50, 28 - LED: 4.99 V, 8 ns bottom side GOOD for H11284
544 K.Takenaka 2015/1/18 19:27 2 7 50, 50, 28 LED: 5.04 V, 8 ns bottom side GOOD for H6522
545 K.Takenaka 2015/1/18 Pedest 7 50, 50, 28 Pedestal run

546	K.Takenaka	2015/1/18 21:29	2	7	50,	50,	28	-	-	Setup changes: Repeatability check H11284 is detached and attached only. Other conditions are the same as the just previous run. In an hour after HV was applied LED: 4.99 V, 8 ns bottom side GOOD for H11284
										LED: 5.04 V, 8 ns
547	K.Takenaka	2015/1/18 21:13	2	7	50,	50,	28	-	_	bottom side GOOD for H6522
		2015/1/18	Pedest							
548	K.Takenaka	21:20	al	7	50,	50,	28	-	_	Pedestal run
549	K.Takenaka	2015/1/18 21:39	9		50,			0.2		Window: acrylite#000 Window side: H11284,ZK6920(WC-07) & BaF2(grease) Bottom side: H6522,LA1537 & V788 TOF1=up, TOF2=down, WC1=window side, WC2=bottom side
550			9	7	50,	50,	28	0.2	20000	
551			9	7	50,	50,	28	0.2	20000	RUN551 was terminated at 21:26 on 2015/1/19.
552	K.Takenaka	2015/1/19 21:35	2	7	50,	50,	28	_	_	LED: 4.99 V, 8 ns bottom side GOOD for H11284
553	K.Takenaka	2015/1/19 21:40	2	7	50,	50,	28	_	_	LED: 5.04 V, 8 ns bottom side GOOD for H6522
554	K.Takenaka	2015/1/19 21:45	Pedesta	7	50,	50,	28	_	_	Pedestal run
	K.Takenaka	2015/1/19 21:50	9	7	50,	50,	28	0.2	20000	Conditions are the same as run 551.
556										
557										
558										
559										
560										
561										

Trigger conditions

Trigger ID	Conditions	Remarks
1	CH1&CH2&CH3&CH4	1': ADC gate was
	0111801128011380114	delayed.
2	WC LED	
3	WC1 & WC2 & WC3	
4	WC1	
5	WC2	
6	WC3	
7	CH1&CH2	with ⁹⁰ Sr source
8	WC1 & WC3	

Experimental setup was changed !!!! (Setup 2)

Experimental setap was changed (Octap 2)			
9	TOF1 & TOF2		
10	TOF1		
11	TOF2		

HV setting

HV setting	Channel	PMT ID	HV [V]	Remarks
1	1-1	WA6623	2850	TOF
	1-2	WA6624	2692	TOF
	1-3	WA6613	2810	TOF
	1-4	WA6601	2642	TOF
	2-1		2300	Small scitillator
	2-2		2000	WC
	2-3		2600	WC
	2-4		2600	WC
2	1-1	WA6623	2850	TOF
	1-2	WA6624	2692	TOF
	1-3	WA6613	2810	TOF
	1-4	WA6601	2642	TOF
	2-1		2300	Small scitillator
	2-2		1900	WC
	2-3		2650	WC
	2-4		2650	WC
3	1-1	WA6623	2850	TOF
	1-2	WA6624	2692	TOF
	1-3	WA6613	2810	TOF
	1-4	WA6601	2642	TOF
	2-1		2300	Small scitillator
	2-2		1700	WC
	2-3		2550	WC
	2-4		2550	WC

Setup2

4	1	2000 TOF1
	2	2000 TOF2
5	1	2300 TOF1
	2	2300 TOF2
6	1	2500 TOF1
	2	2500 TOF2
7	1	2400 TOF1
	2	2400 TOF2
	3	2000 WC (H11284)
	4	2600 WC (H6522)