

Sea Area Monitoring

March 25, 2022

Nuclear Regulation Authority (NRA), Japan

The most recent radioactivity data of sea area within 2km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Gross α	Pu-238	Pu-239+Pu-240
----------------	---------------	--------	--------	---------------	-----	-------	----------------	--------	---------------

Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

* 1 : Gross β : including K-40 * 2 : Gross β : excluding K-40

T-1	2021/12/6	0.0043	0.13	11 ^{*1}	ND(0.84)	0.0062	ND(1.9)		
	2022/1/3	0.0015	0.043	11 ^{*1}	ND(0.90)	0.0036	ND(1.9)		
	2022/2/7	ND(0.0012)	0.036	9.9 ^{*1}	ND(0.95)	0.0039	ND(1.8)		
M-101	2021/11/5	ND(0.00048)	0.017		0.052	0.00088			
	2021/12/15	0.00087	0.025		0.13	0.0027			
	2022/1/13	0.0010	0.030		0.13	0.0014			
F-P03	2021/10/15	0.006	0.12	0.02 ^{*2}	ND(0.37)	0.0076		ND(6×10^{-6})	0.000009
	2021/11/4	ND(0.003)	0.067	0.01 ^{*2}	0.46	0.0051		ND(7×10^{-6})	ND(7×10^{-6})
	2021/12/14	ND(0.003)	0.020	0.02 ^{*2}	ND(0.32)	0.0008		ND(1×10^{-5})	ND(1×10^{-5})
F-P01	2021/10/15	ND(0.002)	0.028	0.02 ^{*2}	ND(0.36)	0.0011		ND(9×10^{-6})	ND(9×10^{-6})
	2021/11/4	ND(0.003)	0.011	0.02 ^{*2}	ND(0.33)	0.0006		ND(9×10^{-6})	ND(9×10^{-6})
	2021/12/14	ND(0.002)	0.034	0.02 ^{*2}	ND(0.33)	0.0014		ND(8×10^{-6})	ND(8×10^{-6})
T-2	2021/12/6	0.0014	0.048	9.8 ^{*1}	ND(0.84)	0.0019	ND(1.9)		
	2022/1/3	0.0020	0.059	8.6 ^{*1}	ND(0.90)	0.0019	ND(1.9)		
	2022/2/7	0.0020	0.066	12 ^{*1}	ND(0.95)	0.0014	ND(1.8)		

Fukushima
Daiichi-NPS

0 0.5 1km

Most recent radioactivity data of sea area between 2-20km from the NPS

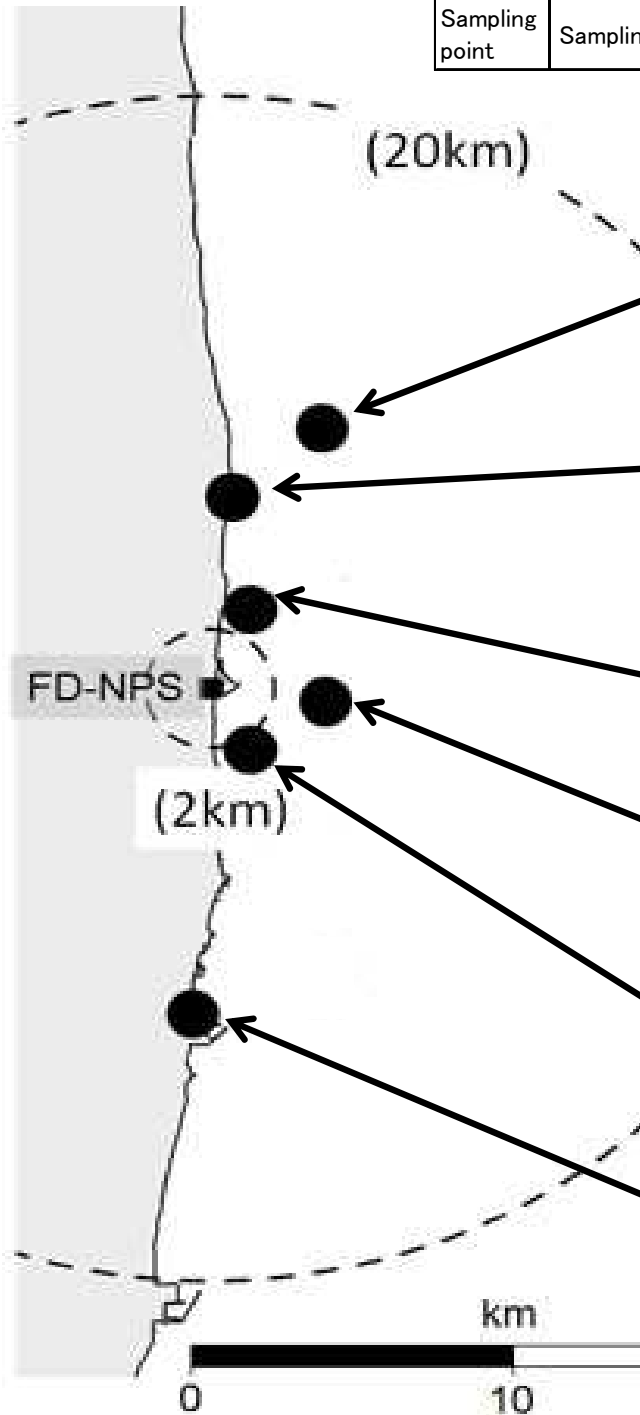
Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Gross α	Pu-238	Pu-239+240	S	S:2m below sea level
----------------	---------------	--------	--------	---------------	-----	-------	----------------	--------	------------	---	----------------------

Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β : including K-40

Depth(m) from sea level



T-D1	2021/12/6	ND(0.0012)	0.017	15	ND(0.29)	0.0012	ND(2.3)			S
	2022/1/4	ND(0.0011)	0.0063	ND(12)	ND(0.29)	ND(0.00080)	ND(2.4)			S
	2022/2/1	ND(0.0010)	0.0046	ND(14)	ND(0.31)	0.0011	ND(2.1)			S
T-6	2021/12/7	0.0017	0.037	ND(14)	ND(0.29)					S
	2022/1/4	ND(0.0013)	0.025	ND(12)	0.39					S
	2022/2/1	ND(0.0014)	0.014	15	ND(0.31)					S
M-103	2021/11/5	ND(0.00051)	0.0082		0.15	0.00087				0.5m
	2021/12/15	0.00073	0.017		ND(0.057)	0.0010				0.5m
	2022/1/13	ND(0.00054)	0.012		ND(0.056)	0.00096				0.5m
T-D5	2021/12/6	ND(0.0011)	0.0084	16	ND(0.29)	0.0022	ND(2.3)			S
	2022/1/4	ND(0.0014)	0.0043	ND(12)	ND(0.29)	0.0013	ND(2.4)			S
	2022/2/1	ND(0.0012)	0.015	ND(14)	ND(0.31)	0.0012	ND(2.1)			S
M-104	2021/11/4	ND(0.00057)	0.0047		ND(0.049)	0.00091				0.5m
	2021/12/14	ND(0.00052)	0.013		0.073	0.00070				0.5m
	2022/1/15	ND(0.00052)	0.0034		0.067	0.00092				0.5m
T-3	2021/12/7	ND(0.0014)	0.024	17	ND(0.29)					S
	2022/1/4	ND(0.0014)	0.016	20	0.38					S
	2022/2/1	ND(0.0012)	0.017	ND(14)	ND(0.31)					S

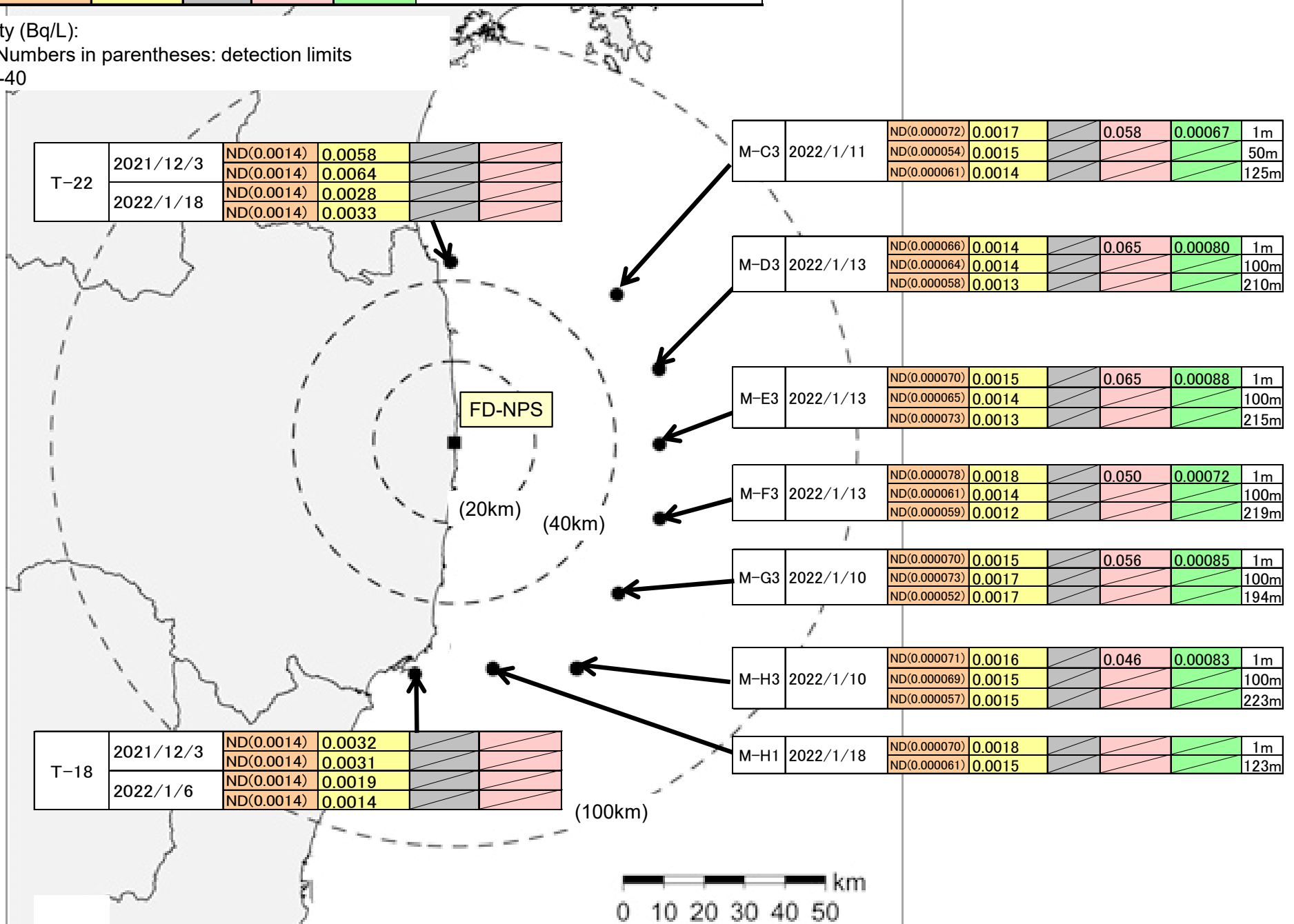
Most recent radioactivity data of sea area between 40-100km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	S/B
							S:2m below sea level B:2-3m above sea bottom
							Depth(m) from sea level

Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β : excluding K-40



Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
T-22	2021/12/3	ND(0.0014)	0.0058				1m
		ND(0.0014)	0.0064				50m
	2022/1/18	ND(0.0014)	0.0028				1m
		ND(0.0014)	0.0033				125m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-C3	2022/1/11	ND(0.000072)	0.0017		0.058	0.00067	1m
		ND(0.000054)	0.0015				50m
		ND(0.000061)	0.0014				125m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-D3	2022/1/13	ND(0.000066)	0.0014		0.065	0.00080	1m
		ND(0.000064)	0.0014				100m
		ND(0.000058)	0.0013				210m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-E3	2022/1/13	ND(0.000070)	0.0015		0.065	0.00088	1m
		ND(0.000065)	0.0014				100m
		ND(0.000073)	0.0013				215m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-F3	2022/1/13	ND(0.000078)	0.0018		0.050	0.00072	1m
		ND(0.000061)	0.0014				100m
		ND(0.000059)	0.0012				219m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-G3	2022/1/10	ND(0.000070)	0.0015		0.056	0.00085	1m
		ND(0.000073)	0.0017				100m
		ND(0.000052)	0.0017				194m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-H3	2022/1/10	ND(0.000071)	0.0016		0.046	0.00083	1m
		ND(0.000069)	0.0015				100m
		ND(0.000057)	0.0015				223m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
T-18	2021/12/3	ND(0.0014)	0.0032				1m
		ND(0.0014)	0.0031				100m
	2022/1/6	ND(0.0014)	0.0019				1m
		ND(0.0014)	0.0014				123m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-H1	2022/1/18	ND(0.000070)	0.0018				1m
		ND(0.000061)	0.0015				123m



Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

S:2m below sea level B:2-3m above sea bottom

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
				Depth(m) from sea level

Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

T-MG1	2021/12/24	ND(0.0014)	0.0028	S
		ND(0.0015)	0.0033	B
	2022/1/26	ND(0.0014)	0.0026	S
		ND(0.0013)	0.0027	B

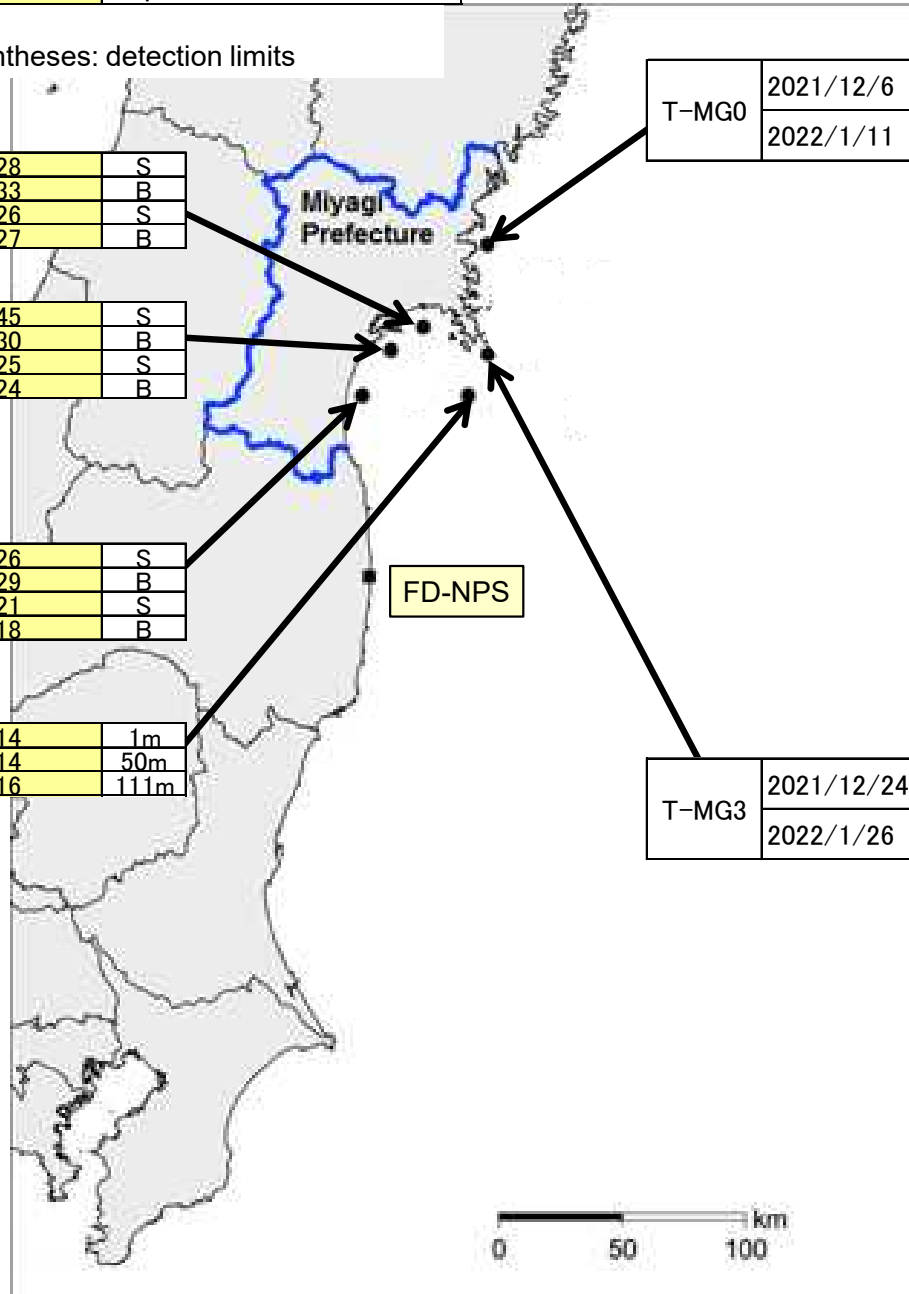
T-MG4	2021/12/16	ND(0.0013)	0.0045	S
		ND(0.0013)	0.0030	B
	2022/1/19	ND(0.0014)	0.0025	S
		ND(0.0012)	0.0024	B

T-MG6	2021/12/16	ND(0.0014)	0.0026	S
		ND(0.0015)	0.0029	B
	2022/1/19	ND(0.0013)	0.0021	S
		ND(0.0014)	0.0018	B

M-B3	2022/1/14	ND(0.000070)	0.0014	1m
		ND(0.000072)	0.0014	50m
		ND(0.000077)	0.0016	111m

T-MG0	2021/12/6	ND(0.0014)	0.0017	S
		ND(0.0013)	0.0018	B
	2022/1/11	ND(0.0014)	0.0010	S
		ND(0.0014)	0.0016	B

T-MG3	2021/12/24	ND(0.0014)	0.0014	S
		ND(0.0014)	0.0012	B
	2022/1/26	ND(0.0014)	0.0015	S
		ND(0.0014)	0.0018	B



Most recent radioactivity data of sea area along and off the coast of Ibaraki Pref. and Chiba Pref.

Sampling point	Sampling Date	Cs-134	Cs-137	S/B	S:2m below sea level Depth(m) from sea level	B:2-3m above sea bottom
----------------	---------------	--------	--------	-----	---	-------------------------

Ibaraki Pref. and Chiba Pref.

Seawater radioactivity (Bq/L):
 ND: Not detected; Numbers in parentheses:detection limits

T-A	2022/1/26	ND(0.97)	ND(1.2)	S
		ND(0.97)	ND(1.1)	B
	2022/2/24	ND(1.0)	ND(1.1)	S
		ND(0.92)	ND(1.1)	B

T-B	2022/1/25	ND(0.87)	ND(1.1)	S
		ND(0.92)	ND(1.1)	B
	2022/2/24	ND(0.92)	ND(1.1)	S
		ND(1.1)	ND(1.0)	B

T-C	2022/1/24	ND(0.97)	ND(1.1)	S
		ND(1.1)	ND(1.2)	B
	2022/2/25	ND(0.81)	ND(1.1)	S
		ND(0.87)	ND(1.1)	B

T-D	2022/1/25	ND(0.97)	ND(1.1)	S
		ND(0.97)	ND(1.1)	B
	2022/2/24	ND(0.75)	ND(1.1)	S
		ND(0.81)	ND(1.0)	B

M-M1	2022/1/19	ND(0.000077)	0.0015	1m
		ND(0.000078)	0.0017	107m

M-I3	2022/1/18	ND(0.000059)	0.0016	1m
		ND(0.000058)	0.0017	100m
		ND(0.000059)	0.0014	175m

M-J3	2022/1/20	ND(0.000065)	0.0016	1m
		ND(0.000057)	0.0017	100m
		ND(0.000041)	0.00067	556m

M-IB4	2022/1/20	ND(0.000073)	0.0016	1m
		ND(0.000075)	0.0018	113m

T-E	2022/1/26	ND(0.81)	ND(1.1)	S
		ND(0.79)	ND(1.0)	B
	2022/2/24	ND(0.97)	ND(1.2)	S
		ND(0.81)	ND(1.3)	B

M-L1	2022/1/19	ND(0.000074)	0.0016	1m
		ND(0.000074)	0.0016	36m

