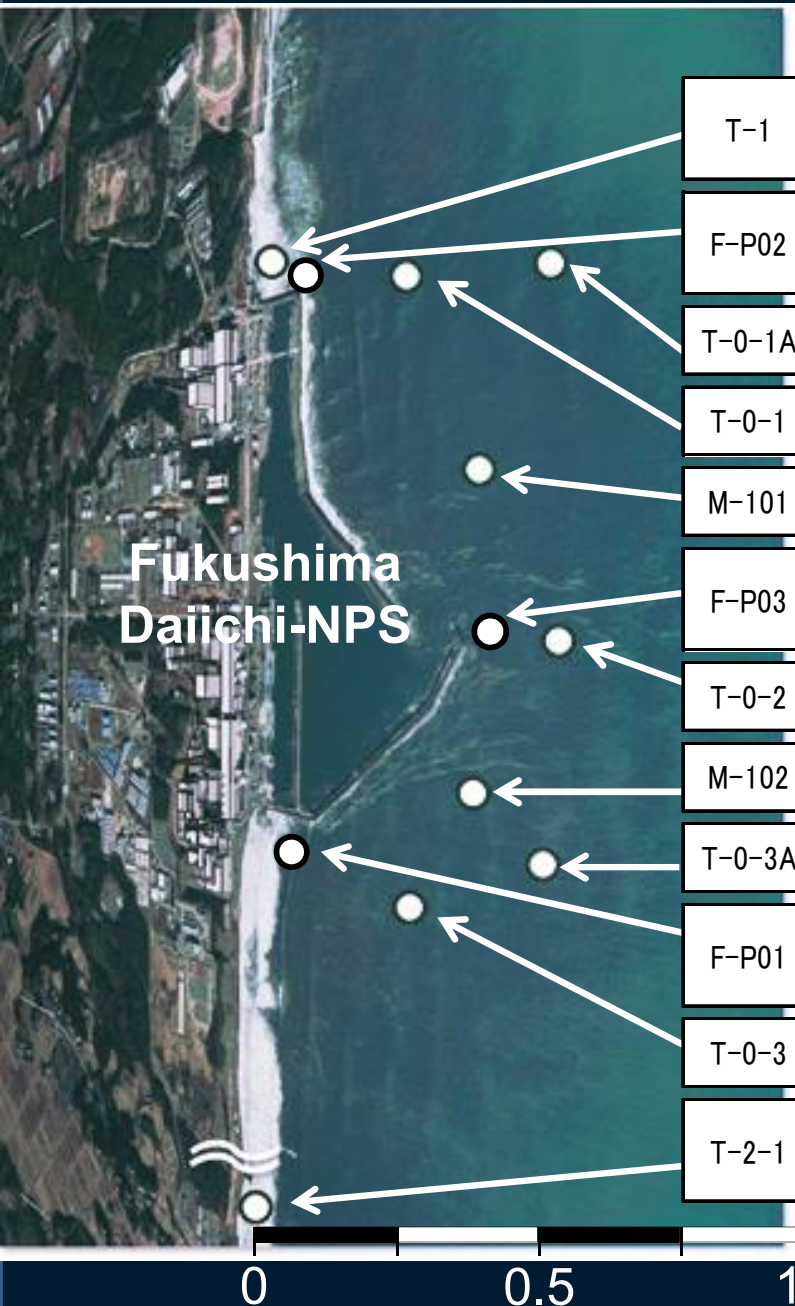


Sea Area Monitoring

August 25, 2015

Nuclear Regulation Authority (NRA), Japan

Sea area within 2km radius from the NPS



Sampling point	Sampling Date	Cs-134	Cs-137	total β	H-3	Sr-90	total α	Pu-238	Pu-239+240
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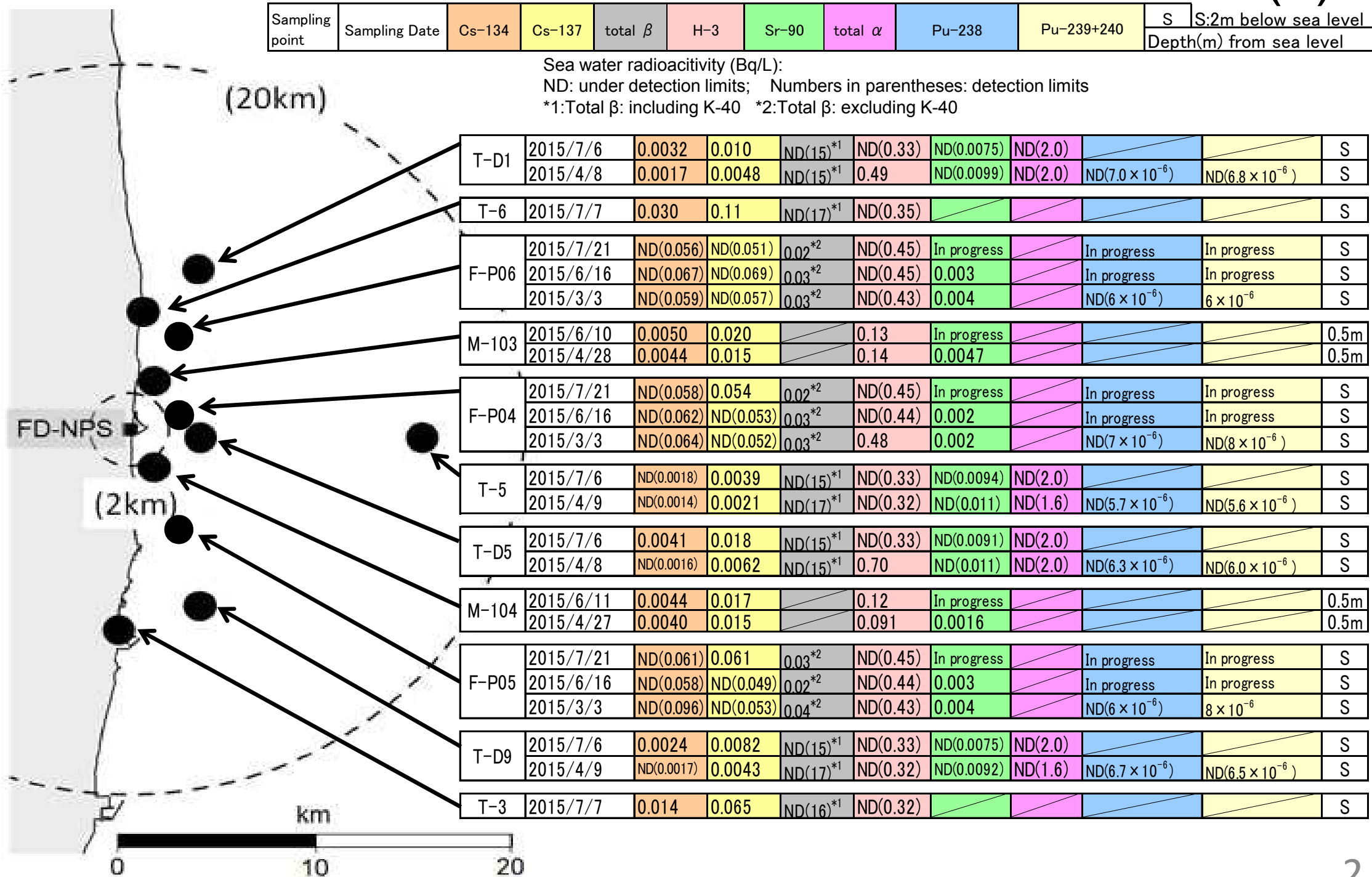
Sea water radioactivity (Bq/L):

ND: under detection limits; Numbers in parentheses: detection limits

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

T-1	2015/8/10	ND(0.75)	ND(0.59)	13 ^{*1}	ND(1.7)				
	2015/7/6	ND(0.71)	ND(0.80)	10 ^{*1}	ND(1.7)	0.18	ND(1.6)		
	2015/4/8	ND(0.55)	ND(0.64)					ND(5.5×10^{-6})	ND(6.1×10^{-6})
F-P02	2015/7/21	0.19	0.67	0.31 ^{*2}	1.9	In progress		In progress	In progress
	2015/6/16	ND(0.065)	ND(0.053)	0.04 ^{*2}	ND(0.45)	0.046		In progress	In progress
	2015/3/3	ND(0.072)	0.094	0.06 ^{*2}	ND(0.43)	0.041		ND(7×10^{-6})	1.1×10^{-5}
T-0-1A	2015/8/14	ND(0.68)	ND(0.55)	ND(17) ^{*1}	In progress				
	2015/8/3	ND(0.80)	ND(0.50)	ND(17) ^{*1}	ND(1.9)				
T-0-1	2015/8/14	ND(0.60)	ND(0.67)	ND(17) ^{*1}	In progress				
	2015/8/3	ND(0.51)	ND(0.49)	ND(17) ^{*1}	ND(1.9)				
M-101	2015/6/10	0.030	0.12		0.53	In progress			
	2015/4/28	0.0067	0.025		0.17	0.012			
F-P03	2015/7/21	0.22	0.83	0.37 ^{*2}	2.6	In progress		In progress	In progress
	2015/6/16	ND(0.066)	ND(0.050)	0.03 ^{*2}	ND(0.46)	0.008		In progress	In progress
	2015/3/3	0.079	0.23	0.14 ^{*2}	1.4	0.23		ND(6×10^{-6})	ND(8×10^{-6})
T-0-2	2015/8/14	ND(0.67)	ND(0.64)	ND(17) ^{*1}	In progress				
	2015/8/3	ND(0.75)	ND(0.56)	ND(17) ^{*1}	ND(1.9)				
M-102	2015/6/11	0.0030	0.013		0.11	In progress			
	2015/4/27	0.013	0.047		0.12	0.017			
T-0-3A	2015/8/14	ND(0.60)	ND(0.72)	ND(17) ^{*1}	In progress				
	2015/8/3	ND(0.73)	ND(0.78)	ND(17) ^{*1}	ND(1.9)				
F-P01	2015/7/21	ND(0.054)	0.10	0.03 ^{*2}	ND(0.46)	In progress		In progress	In progress
	2015/6/16	ND(0.055)	ND(0.052)	0.03 ^{*2}	ND(0.46)	0.004		In progress	In progress
	2015/3/3	ND(0.068)	0.075	0.04 ^{*2}	ND(0.43)	0.004		ND(6×10^{-6})	ND(6×10^{-6})
T-0-3	2015/8/14	ND(0.68)	ND(0.72)	ND(17) ^{*1}	In progress				
	2015/8/3	ND(0.75)	ND(0.56)	ND(17) ^{*1}	ND(1.9)				
T-2-1	2015/8/10	ND(0.54)	0.74	12 ^{*1}	ND(1.7)				
	2015/7/6	ND(0.74)	ND(0.63)	12 ^{*1}	ND(1.7)	0.013	ND(1.6)		
	2015/4/8	ND(0.66)	ND(0.60)	8.9 ^{*1}				ND(6.9×10^{-6})	(9.7 ± 2.4) $\times 10^{-6}$

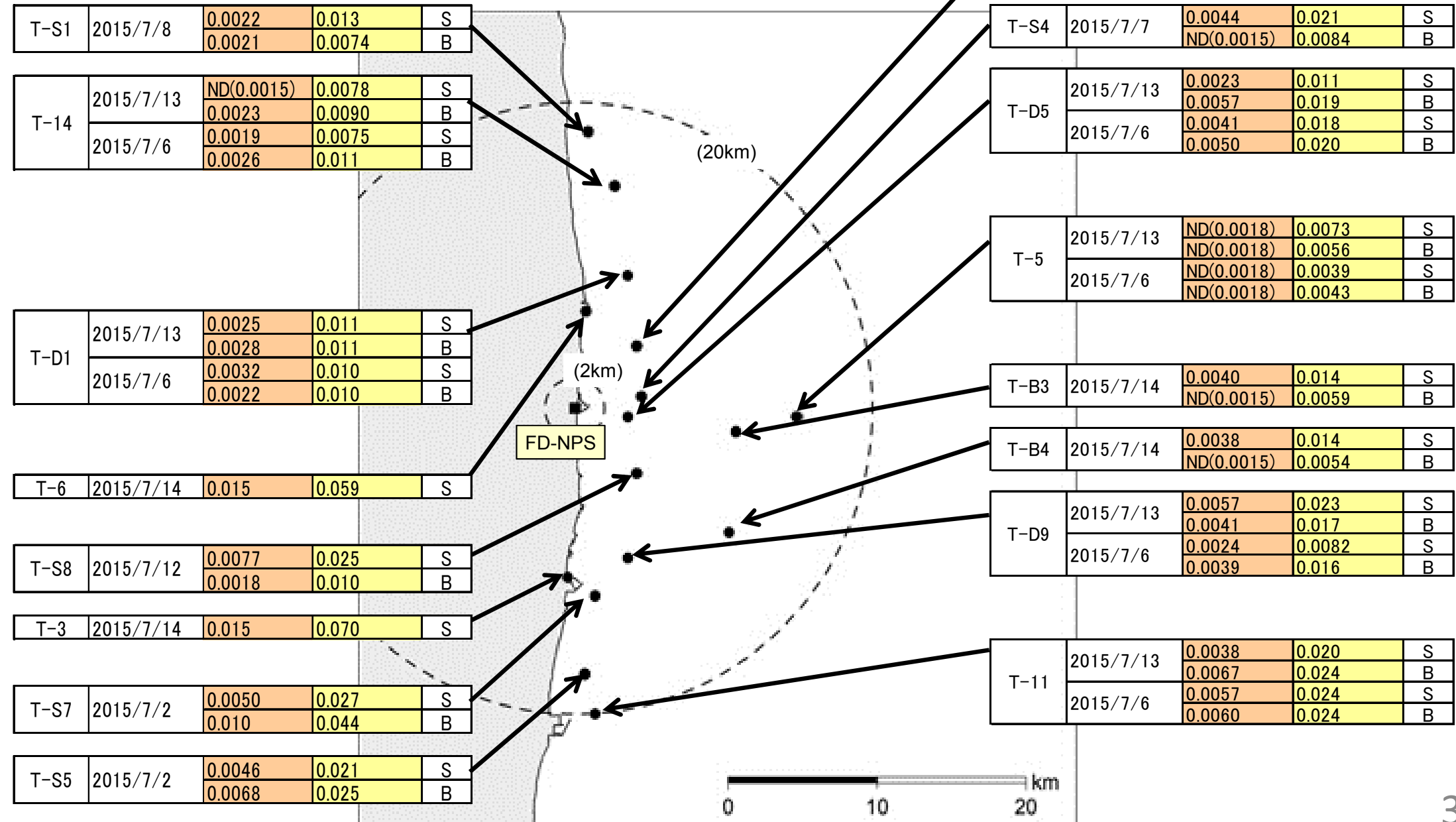
Sea area between 2-20km radius from the NPS (1)



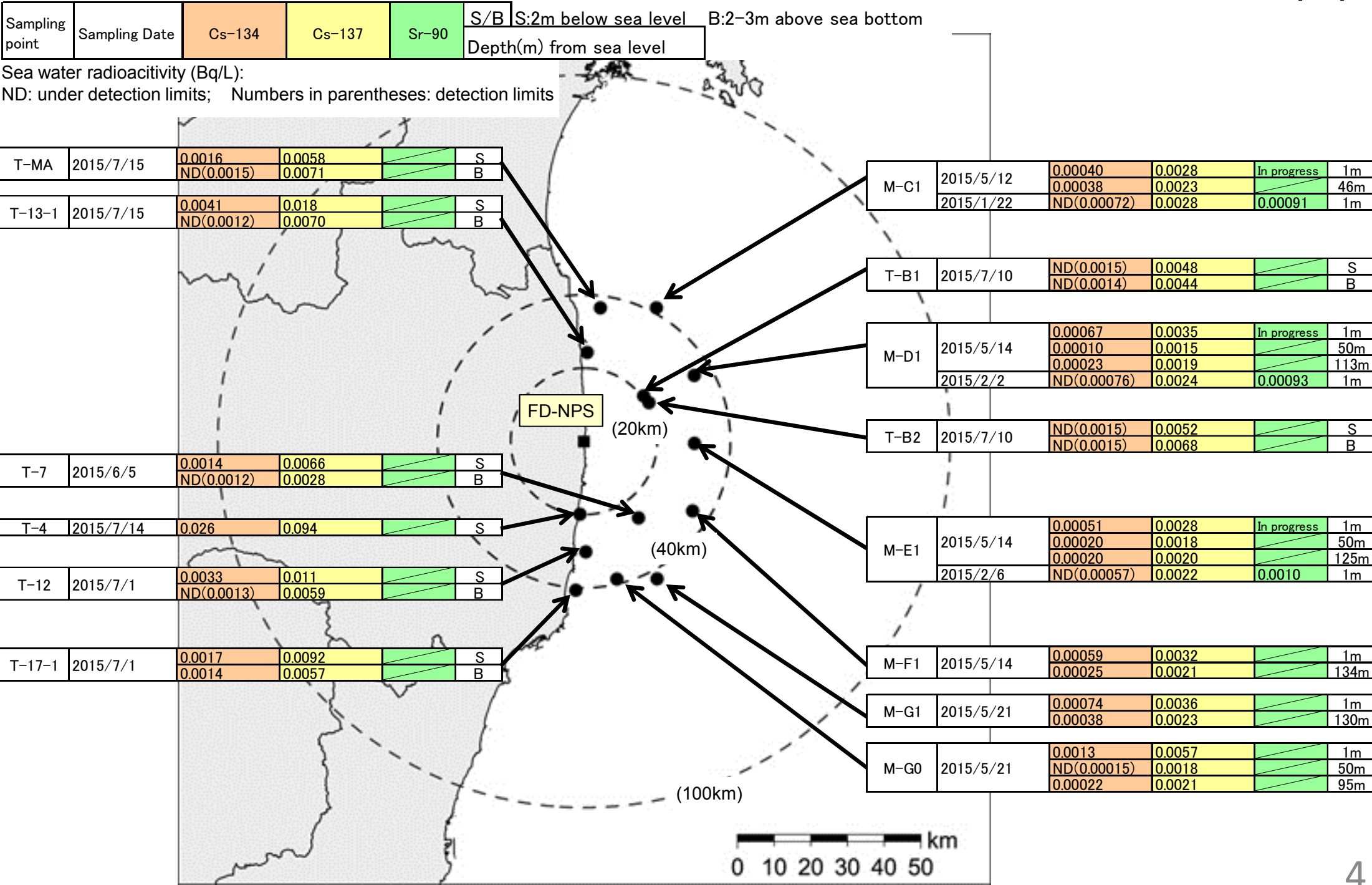
Sea area between 2-20km radius from the NPS (2)

Sampling point	Sampling Date	Cs-134	Cs-137	S/B	S:2m below sea level B:2-3m above sea bottom
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Sea water radioactivity (Bq/L):
ND: under detection limits; Numbers in parentheses: detection limits



Sea area between 20-100km radius from the NPS(1)



4

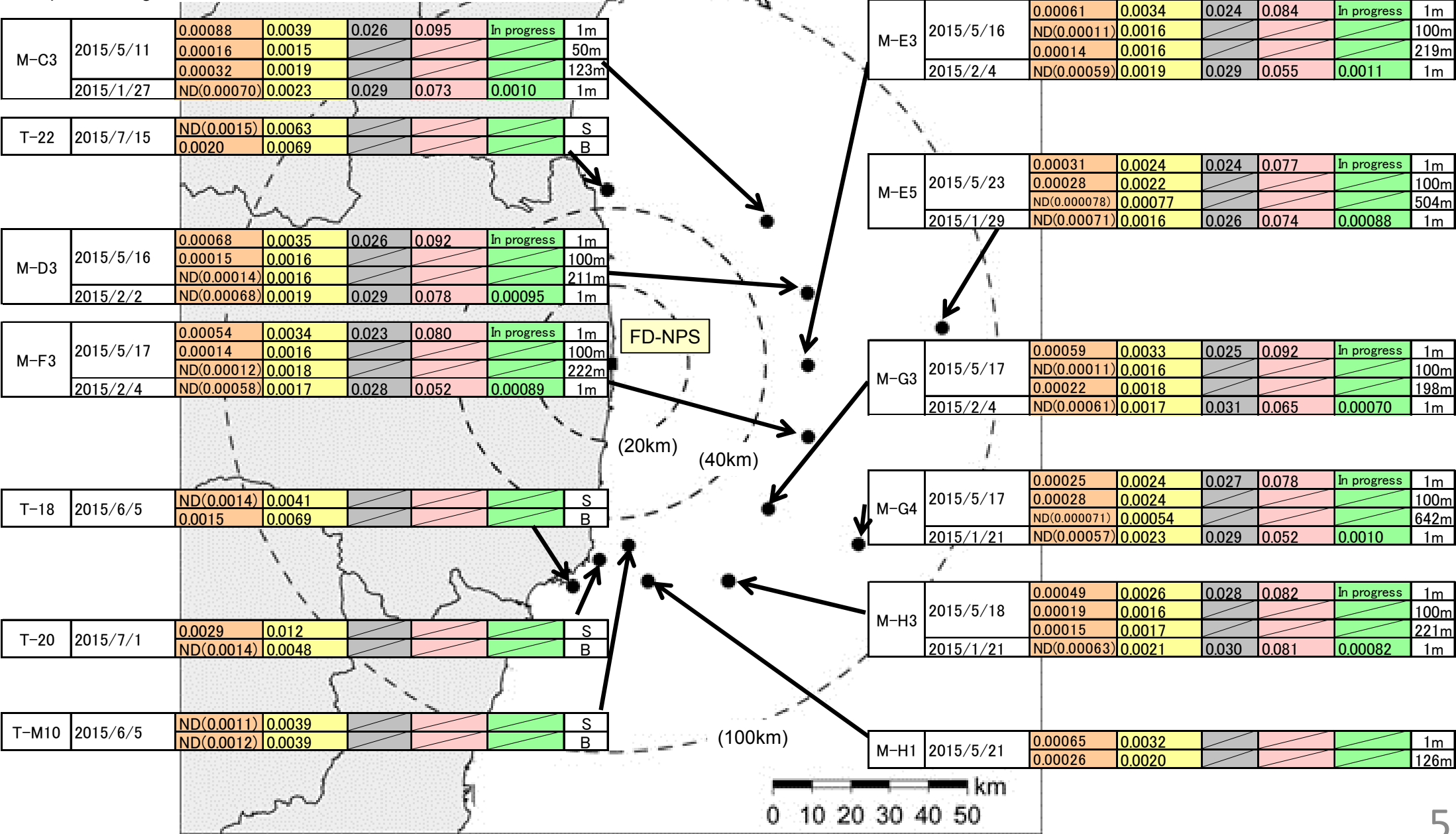
Sea area between 20-100km radius from the NPS(2)

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

Sea water radioactivity (Bq/L):

ND: under detection limits; Numbers in parentheses: detection limits

*Total β : excluding K-40



Sea area along and off the coast of Miyagi Prefecture

Sampling point	Sampling Date	Cs-134	Cs-137	Sr-90	S/M/B
					Depth(m) from sea level

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

Sea water radioactivity (Bq/L):
ND: under detection limits; Numbers in parentheses: detection limits

T-MG1	2015/7/6	ND(0.0013)	0.0039		S
		ND(0.0015)	0.0026		M
		ND(0.0015)	0.0021		B

T-MG4	2015/7/6	ND(0.0017)	0.0051		S
		ND(0.0016)	0.0038		M
		ND(0.0015)	0.0022		B

T-MG5	2015/7/6	ND(0.0018)	0.0060	ND(0.0069)	S
		ND(0.0015)	0.0017		M
		ND(0.0016)	0.0029		B

T-MG6	2015/7/6	ND(0.0015)	0.0039		S
		ND(0.0015)	0.0040		M
		0.0015	0.0061		B

M-B1	2015/5/12	0.00075	0.0035		1m
		0.00086	0.0041		37m

M-B3	2015/5/11	0.00031	0.0022	In progress	1m
		ND(0.000094)	0.0013		50m
		0.00019	0.0017		109m
	2015/2/3	ND(0.00066)	0.0023	0.00082	1m

T-MG0	2015/7/6	ND(0.0013)	0.0022		S
		ND(0.0013)	0.0014		M
		ND(0.0015)	0.0021		B

M-A1	2015/5/9	0.00016	0.0015		1m
		ND(0.00012)	0.0016		100m
		0.00017	0.0016		185m

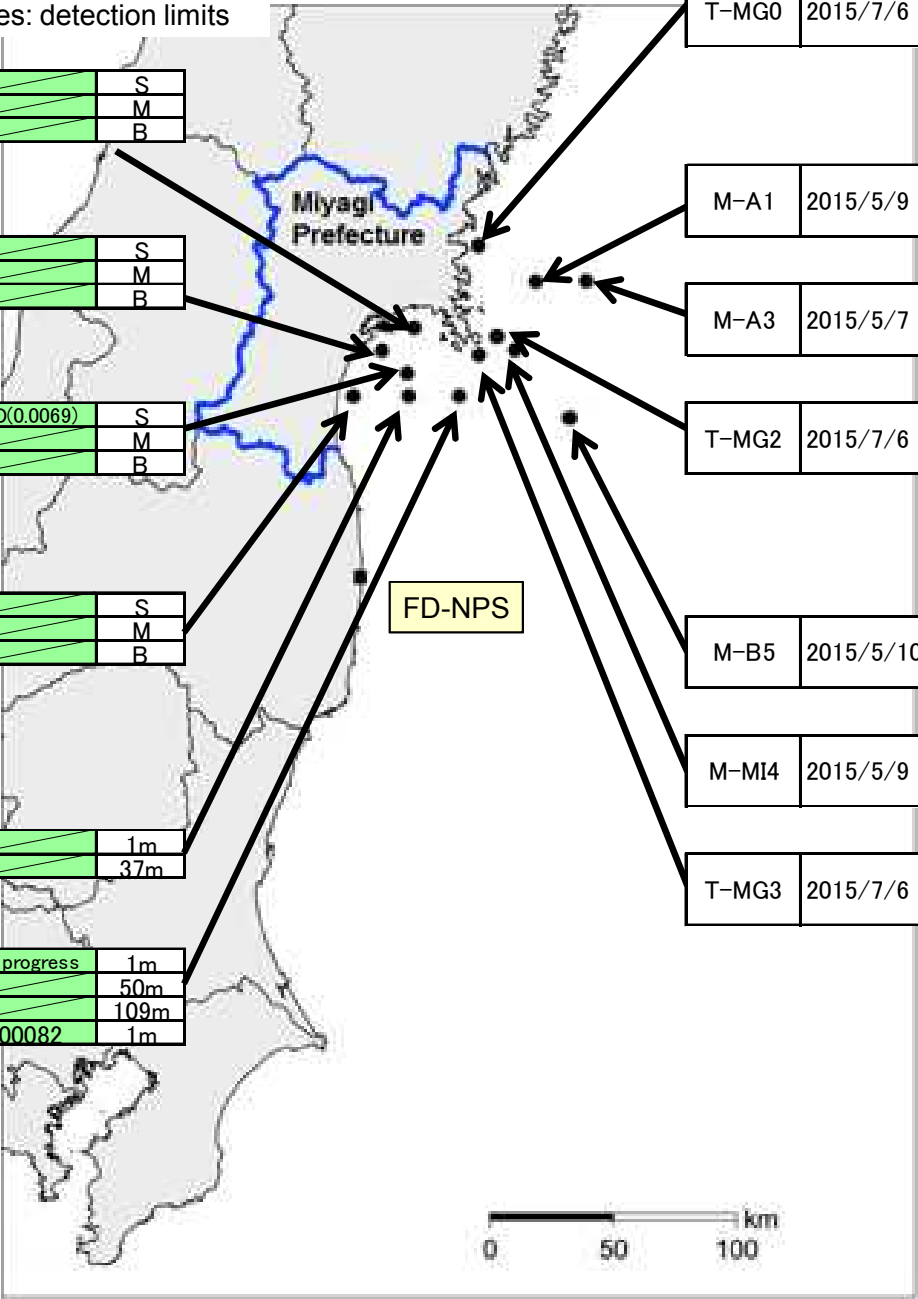
M-A3	2015/5/7	ND(0.000094)	0.0014		1m
		ND(0.00013)	0.0017		100m
		ND(0.00010)	0.00075		486m

T-MG2	2015/7/6	ND(0.0015)	0.0021		S
		ND(0.0014)	0.0024		M
		ND(0.0014)	0.0027		B

M-B5	2015/5/10	0.00024	0.0023		1m
		0.00026	0.0019		100m
		ND(0.00012)	0.0012		351m

M-MI4	2015/5/9	0.00012	0.0015		1m
		0.00011	0.0016		100m
		ND(0.00016)	0.0016		145m

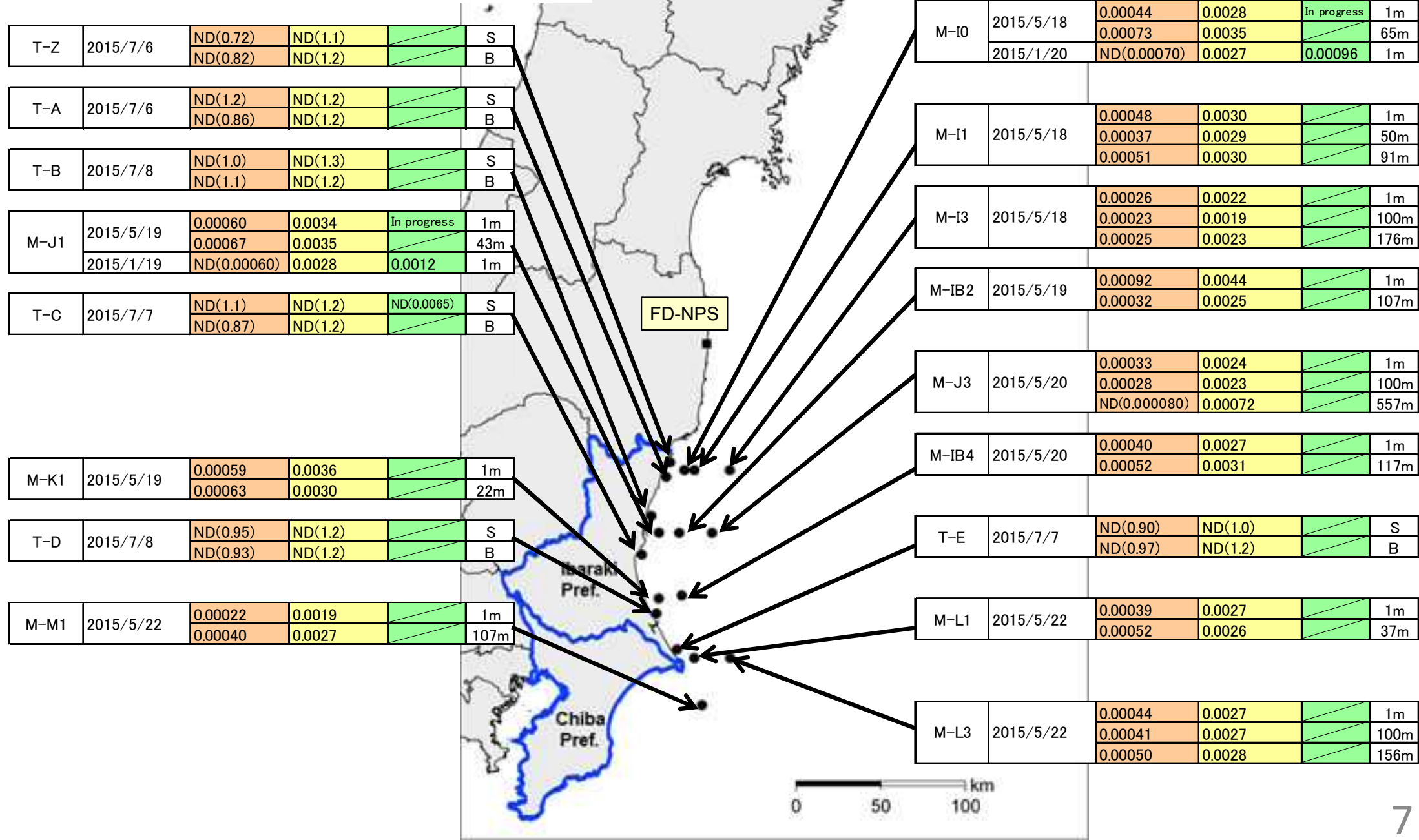
T-MG3	2015/7/6	ND(0.0013)	0.0032		S
		ND(0.0014)	0.0021		M
		ND(0.0014)	0.0021		B



Sea area along and off the coast of Ibaraki Pref. and Chiba Pref.

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

Sea water radioactivity (Bq/L):
ND: under detection limits; Numbers in parentheses: detection limits



Open sea off the coast of Eastern Japan

Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m) from sea level
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Sea water radioactivity (Bq/L):

ND: under detection limits; Numbers in parentheses: detection limits

M-10	2015/5/26	ND(0.00082)	0.0024	1m
		ND(0.00075)	0.0031	101m
		ND(0.00068)	0.0018	201m
		ND(0.00078)	0.0017	301m
		ND(0.00078)	0.00089	500m

M-14	2015/5/27	ND(0.00064)	0.0028	1m
		ND(0.00054)	0.0018	102m
		ND(0.00060)	0.0015	200m
		ND(0.00053)	0.0011	303m
		ND(0.00060)	0.00086	502m

M-19	2015/5/29	ND(0.00058)	0.0026	1m
		ND(0.00057)	0.0022	102m
		ND(0.00056)	0.0015	201m
		ND(0.00055)	0.0016	300m
		ND(0.00056)	0.00071	502m

M-20	2015/5/31	ND(0.00065)	0.0017	1m
		0.00065	0.0031	100m
		ND(0.00068)	0.0031	200m
		ND(0.00059)	0.0018	305m
		ND(0.00061)	0.0013	499m

M-25	2015/6/1	ND(0.00073)	0.0015	1m
		ND(0.00077)	0.0031	100m
		ND(0.00069)	0.0030	201m
		0.00081	0.0056	301m
		0.00067	0.0024	500m

M-11	2015/5/26	ND(0.00069)	0.0030	1m
		ND(0.00063)	0.0029	101m
		ND(0.00062)	0.0024	201m
		ND(0.00070)	0.0018	301m
		ND(0.00068)	0.0015	502m

M-15	2015/5/27	ND(0.00068)	0.0026	1m
		ND(0.00061)	0.0022	100m
		ND(0.00061)	0.0016	201m
		ND(0.00062)	0.0016	300m
		ND(0.00059)	0.00073	501m

M-21	2015/5/31	ND(0.00057)	0.0016	1m
		ND(0.00061)	0.0023	102m
		0.00061	0.0039	200m
		ND(0.00052)	0.0023	300m
		ND(0.00062)	0.00087	500m

M-26	2015/5/28	ND(0.00060)	0.0024	1m
		ND(0.00056)	0.0029	100m
		ND(0.00066)	0.0034	202m
		ND(0.00066)	0.0040	301m
		ND(0.00061)	0.0027	500m

M-27	2015/5/28	ND(0.00060)	0.0026	1m
		ND(0.00060)	0.0030	100m
		0.00082	0.0042	200m
		0.0011	0.0049	301m
		ND(0.00065)	0.0034	501m

