

Nuclide Analysis Results of Radioactive Materials in Seawater <Coast>

Reference

(Data summarized on January 28)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)	Around South Discharge Channel of 1F (approx. 330m south of 1-4u Discharge Channel)	Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)	Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)	Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)				
Time of Sampling	Jan 27 2012 09:00 am	Jan 27 2012 08:40 am	Jan 27 2012 08:20 am	Jan 27 2012 08:00 am					
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)					
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	5.3	0.09	0.88	0.01	1.6	0.03	ND	-	60
Cs-137 (about 30 years)	7.0	0.08	1.1	0.01	1.2	0.01	1.2	0.01	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

I-131: approx. 0.80Bq/L, Cs-134: approx. 0.85Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclide Analysis Results of Radioactive Materials in Seawater <Offshore 1/3>

Reference

(Data summarized on January 28)

Place of Sampling	15 km offshore of Minami-Souma City Upper Layer		15 km offshore of Minami-Souma City Lower Layer		15 km offshore of Ukedo-gawa Upper Layer		15 km offshore of Ukedo-gawa Lower Layer		15 km offshore of Fukushima Daiichi Upper Layer		15 km offshore of Fukushima Daiichi Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	N/A		N/A		Jan 26, 2012 (Not sampled)		Jan 26, 2012 (Not sampled)		Jan 26, 2012 (Not sampled)		Jan 26, 2012 (Not sampled)		
Time of Sampling	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

Place of Sampling	15 km offshore of Fukushima Daini Upper Layer		15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper Layer		15 km offshore of Iwasawa Shore Lower Layer		15 km offshore of Hirono-town Upper Layer		15 km offshore of Hirono-town Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Jan 26, 2012 (Not sampled)		Jan 26, 2012 (Not sampled)		N/A		N/A		N/A		N/A		
Time of Sampling	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

No sampling due to bad weather

Nuclide Analysis Results of Radioactive Materials in Seawater <Offshore 2/3>

Reference

(Data summarized on January 28)

Place of Sampling	3 km offshore of North of Iwaki Upper Layer		3 km offshore of North of Iwaki Lower Layer		3 km offshore of Natsui river Upper Layer		3 km offshore of Natsui river Lower Layer		3 km offshore of Onahama port Upper Layer		3 km offshore of Onahama port Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	N/A		N/A		N/A		N/A		Jan 26, 2012 (Not sampled)		Jan 26, 2012 (Not sampled)		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

Place of Sampling	3 km offshore of Ena Upper Layer		3 km offshore of Ena Lower Layer		3 km offshore of Numanouchi Upper Layer		3 km offshore of Numanouchi Lower Layer		3 km offshore of Toyoma Upper Layer		3 km offshore of Toyoma Lower Layer		② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Jan 26, 2012 (Not sampled)		Jan 26, 2012 (Not sampled)		N/A		N/A		N/A		N/A		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

No sampling due to bad weather

Nuclide Analysis Results of Radioactive Materials in Seawater <Offshore 3/3>

Reference

(Data summarized on January 28)

Place of Sampling	3 km offshore of Souma City Upper Layer	3 km offshore of Souma City Lower Layer	5 km offshore of Souma City Upper Layer	5 km offshore of Souma City Lower Layer	5 km offshore of Kashima Upper Layer	5 km offshore of Kashima Lower Layer	② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Jan 26, 2012 07:45 am	Jan 26, 2012 07:45 am	Jan 26, 2012 07:30 am	Jan 26, 2012 07:30 am	Jan 26, 2012 07:10 am	Jan 26, 2012 07:10 am	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	90

Place of Sampling	5km Offshore of Numanouchi Upper Layer		5km Offshore of Numanouchi Lower Layer										② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A										
Detected Nuclides (Half-life)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)	
I-131 (about 8 days)	-	-	-	-	/	/	/	/	/	/	/	/	40
Cs-134 (about 2 years)	-	-	-	-	/	/	/	/	/	/	/	/	60
Cs-137 (about 30 years)	-	-	-	-	/	/	/	/	/	/	/	/	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

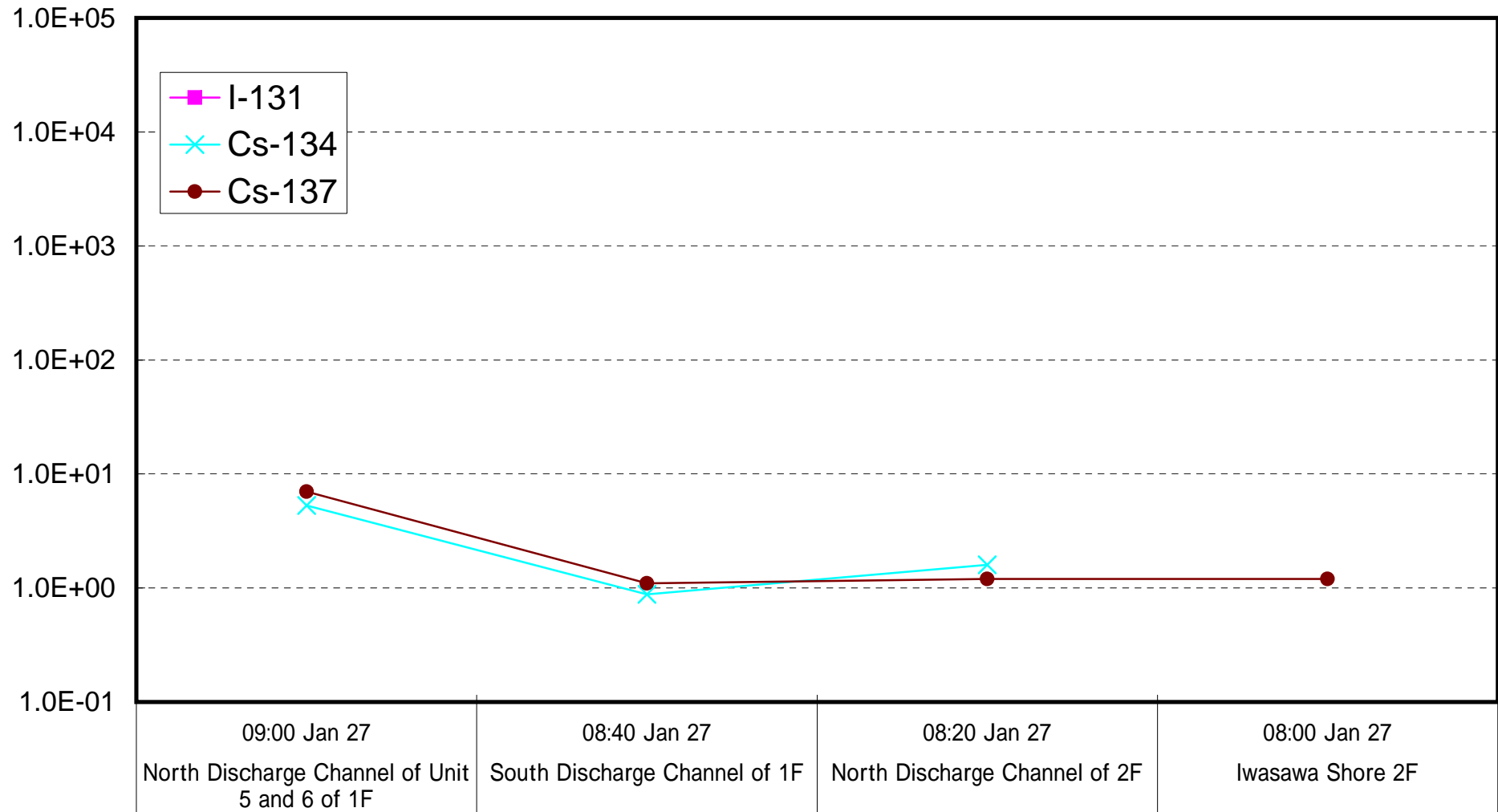
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

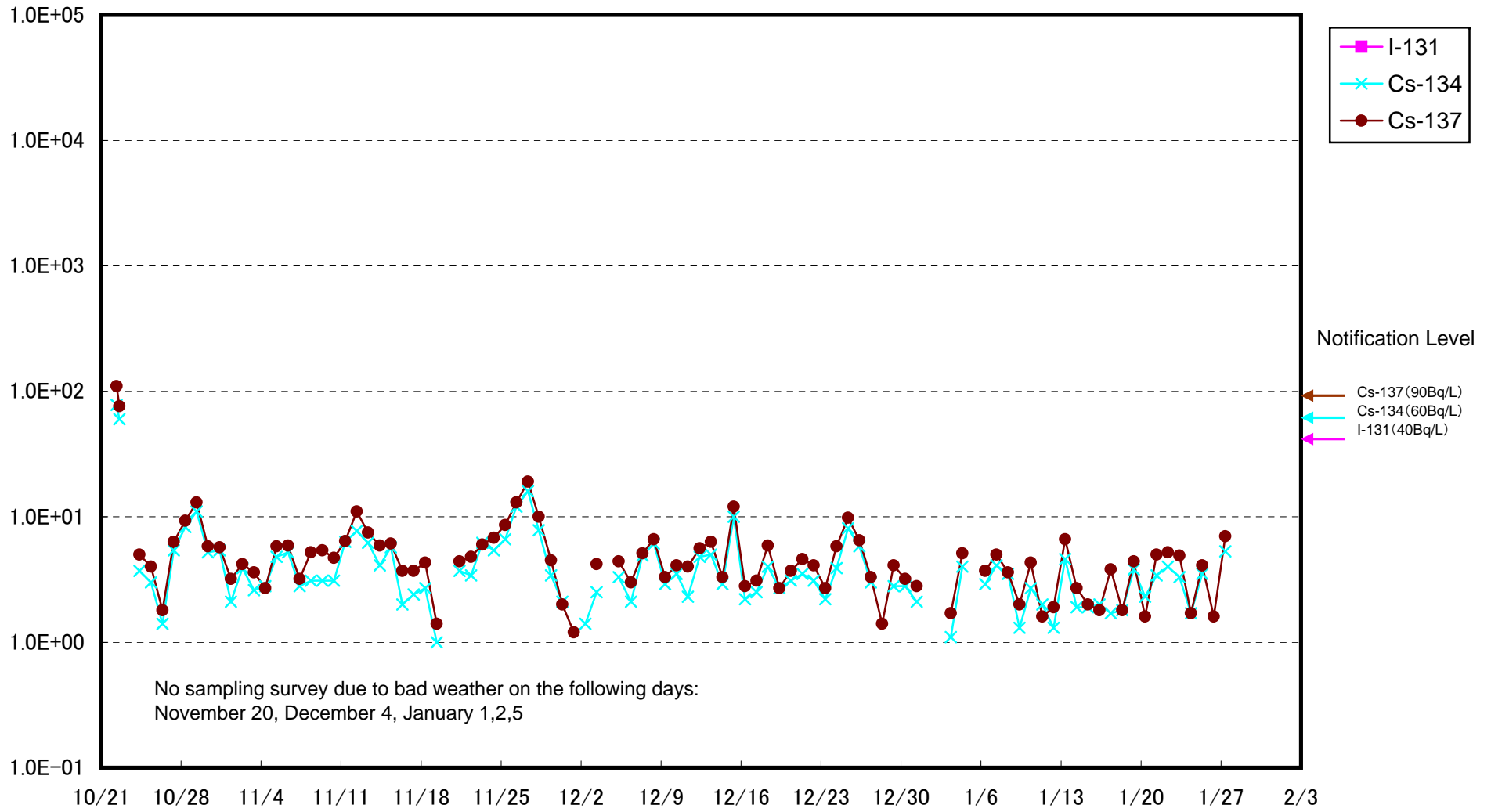
I-131: approx. 0.76Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

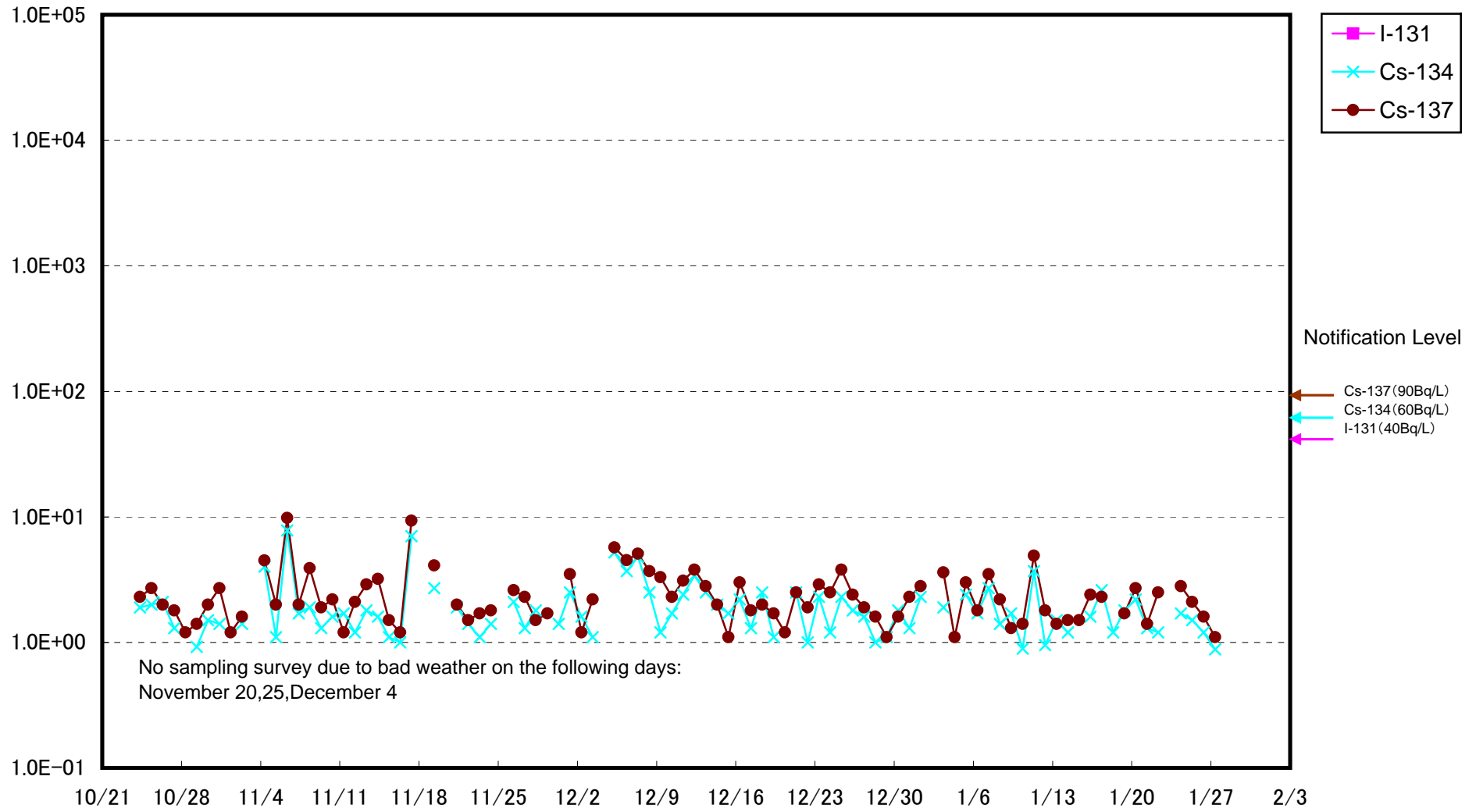
Radioactivity Density of Seawater (Bq/L)



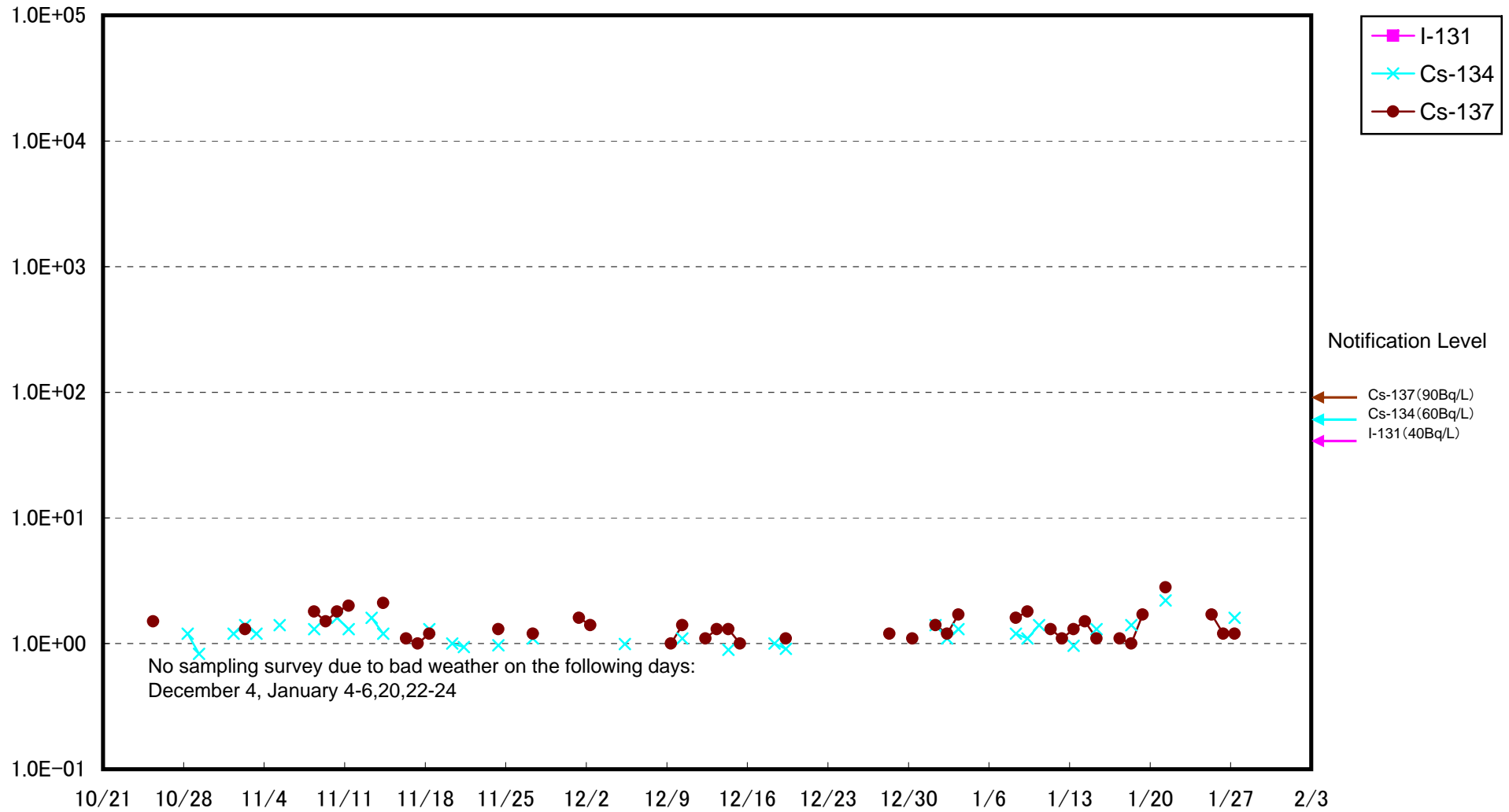
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



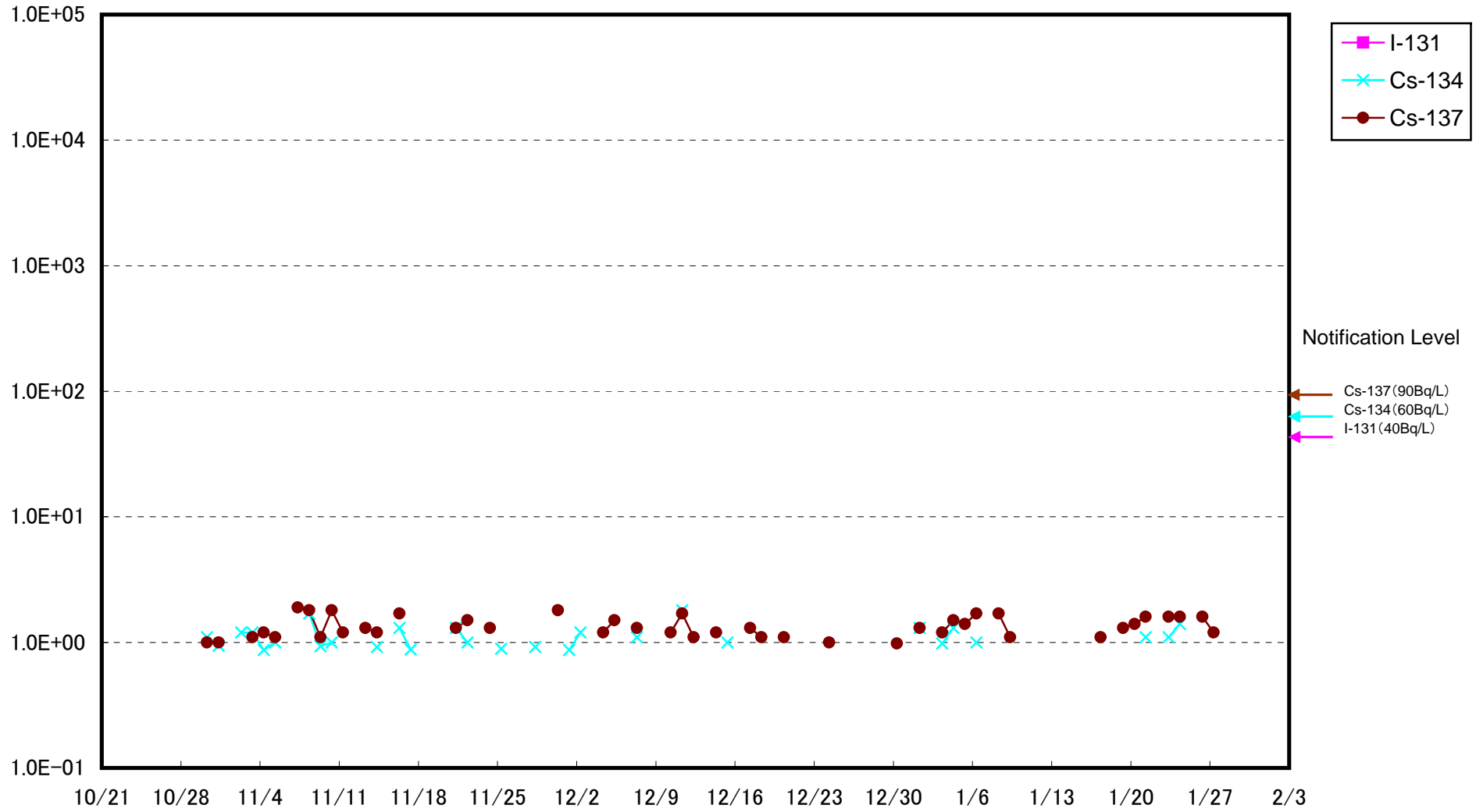
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)

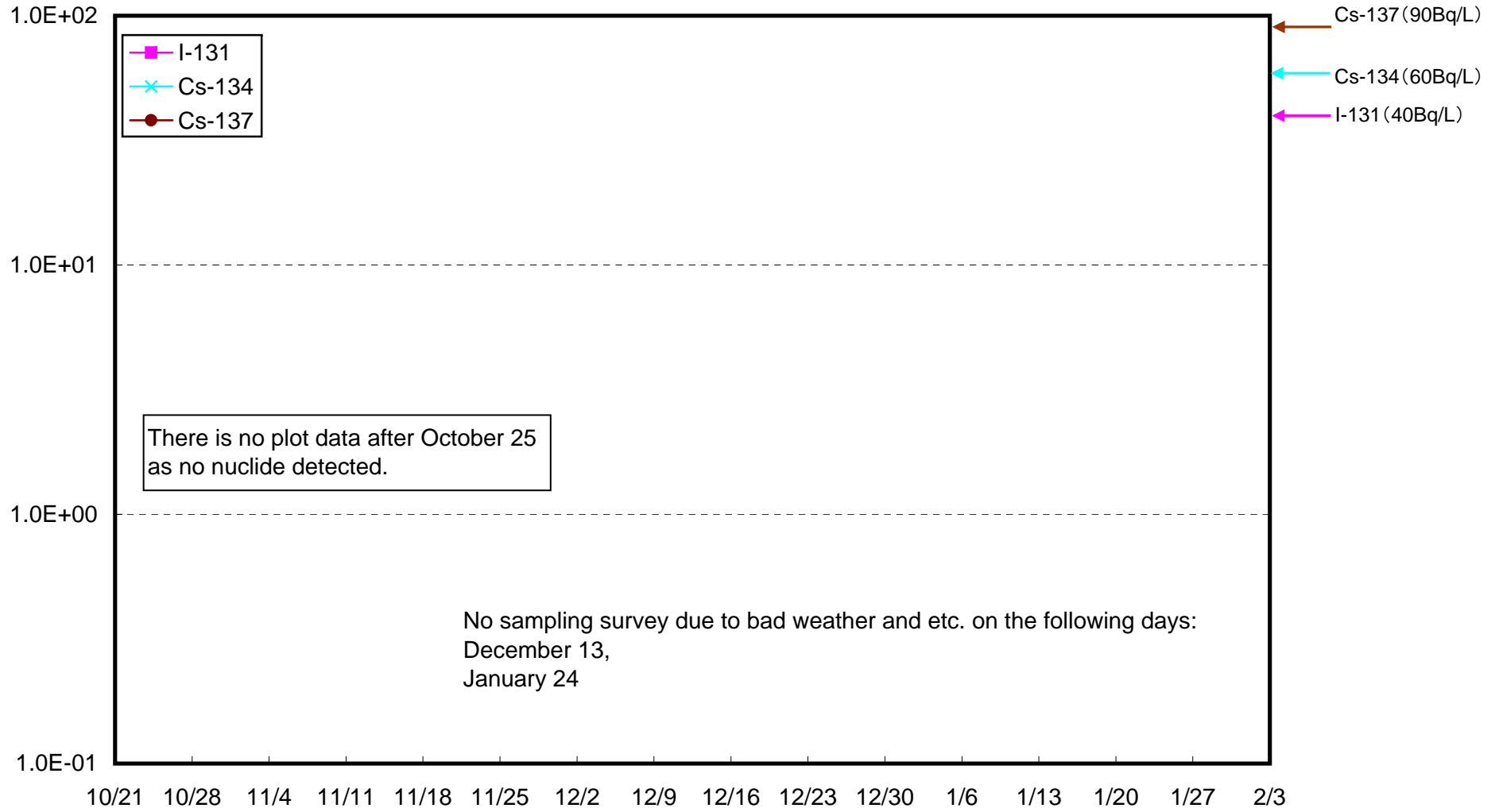


Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)



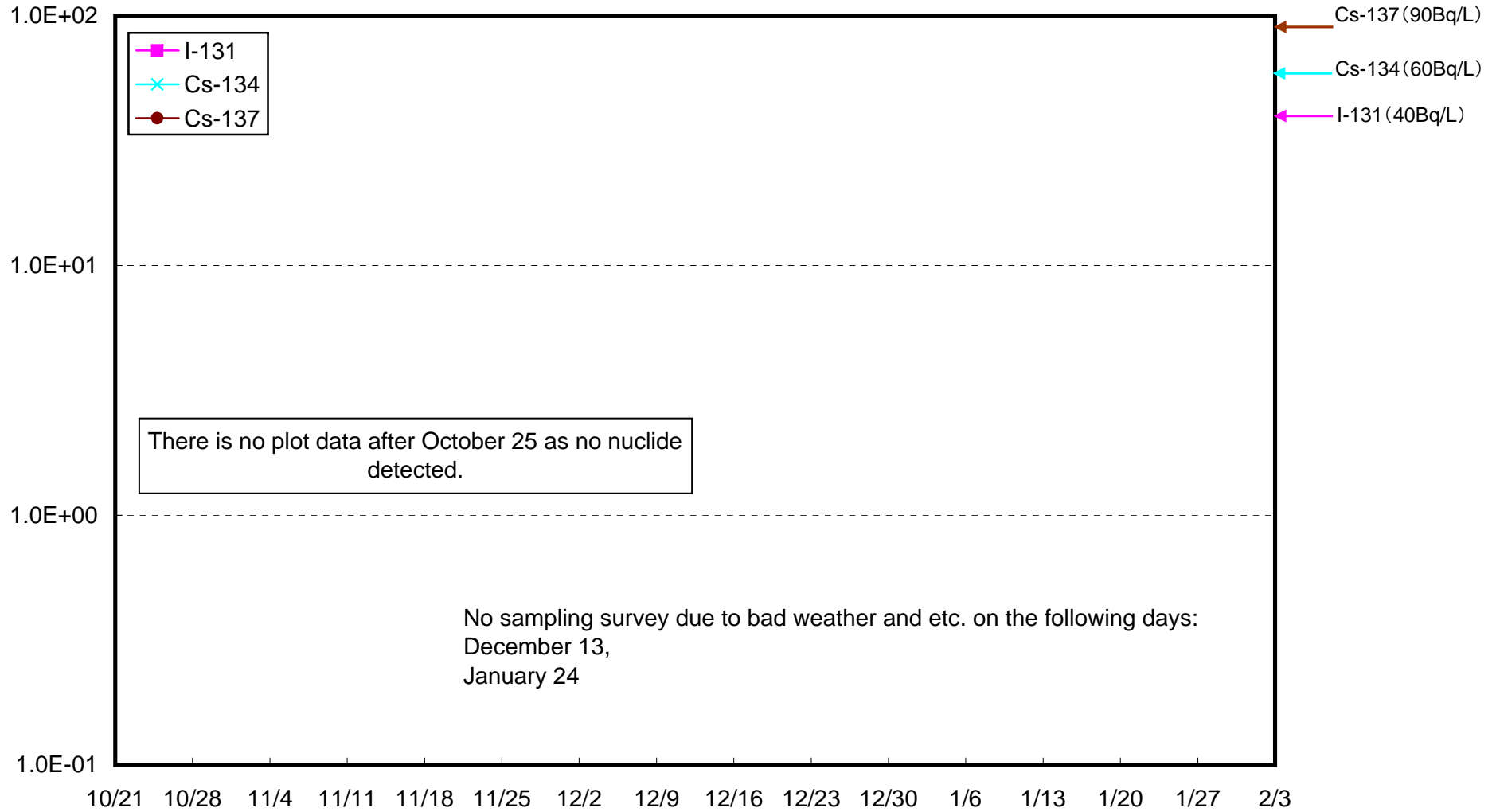
Radioactivity Density of Seawater around approx. 3 km offshore of Soma City Upper Layer (Bq/L)

Notification Level

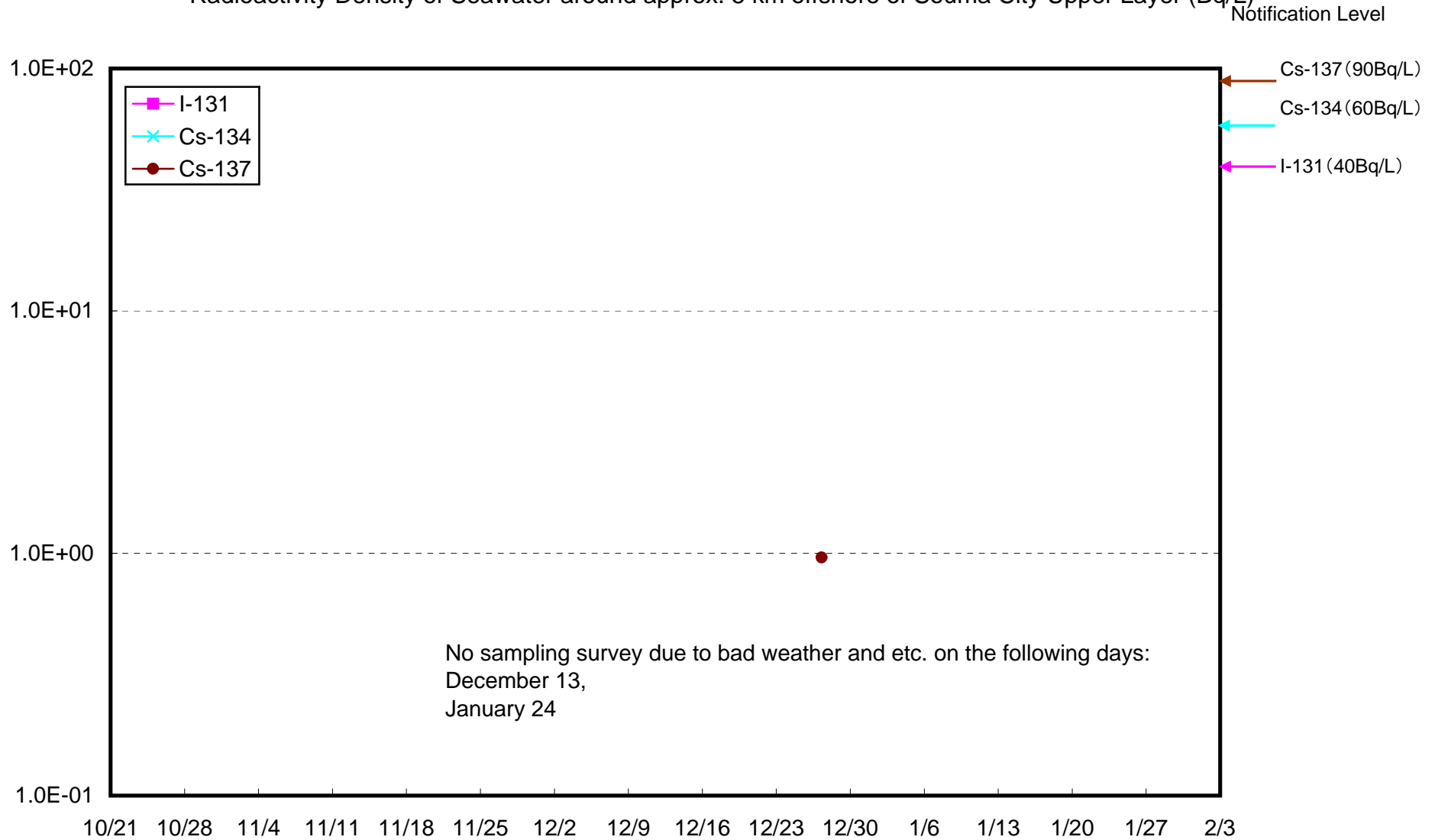


Radioactivity Density of Seawater around approx. 3 km offshore of Soma City Lower Layer (Bq/L)

Notification Level

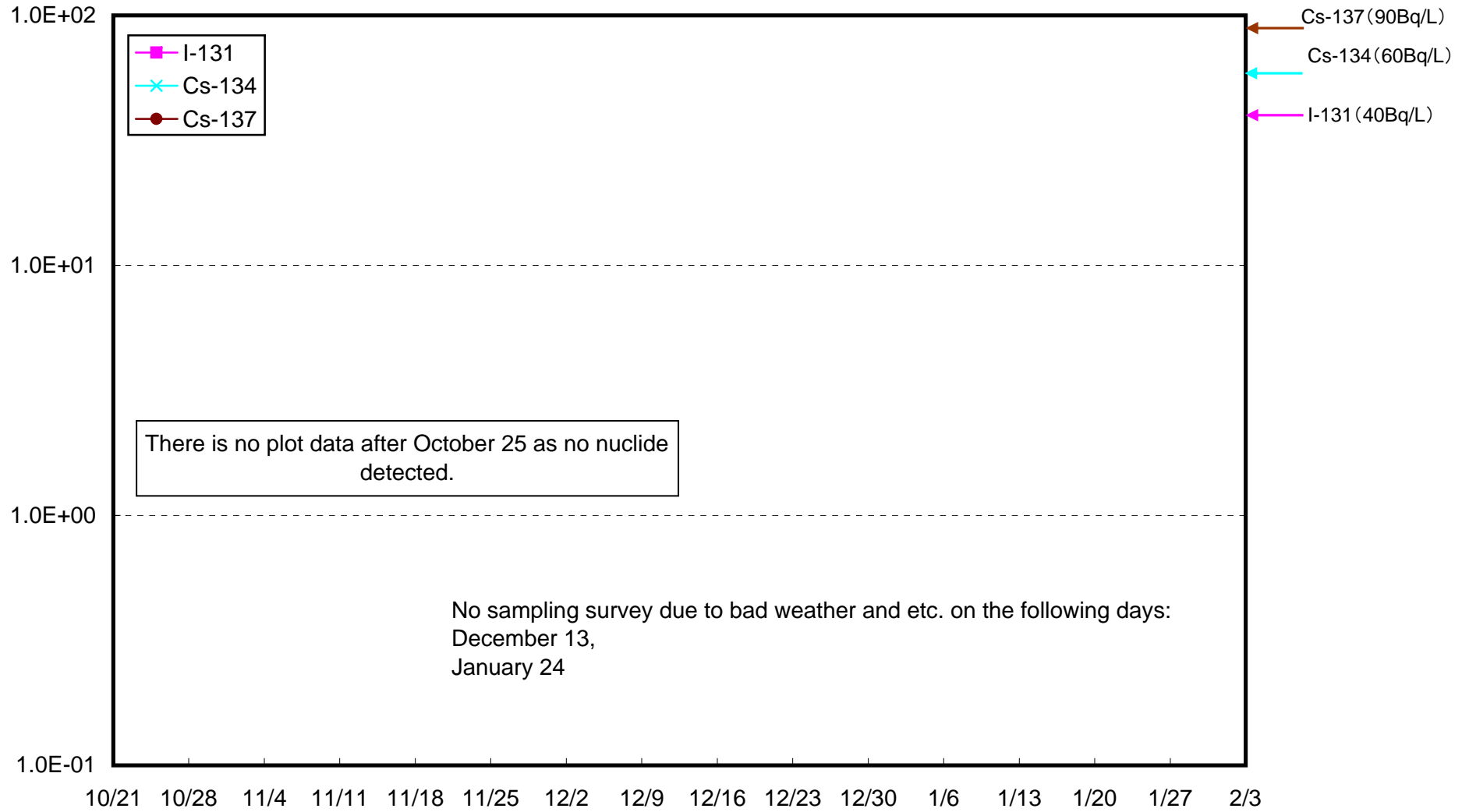


Radioactivity Density of Seawater around approx. 5 km offshore of Souma City Upper Layer (Bq/L)



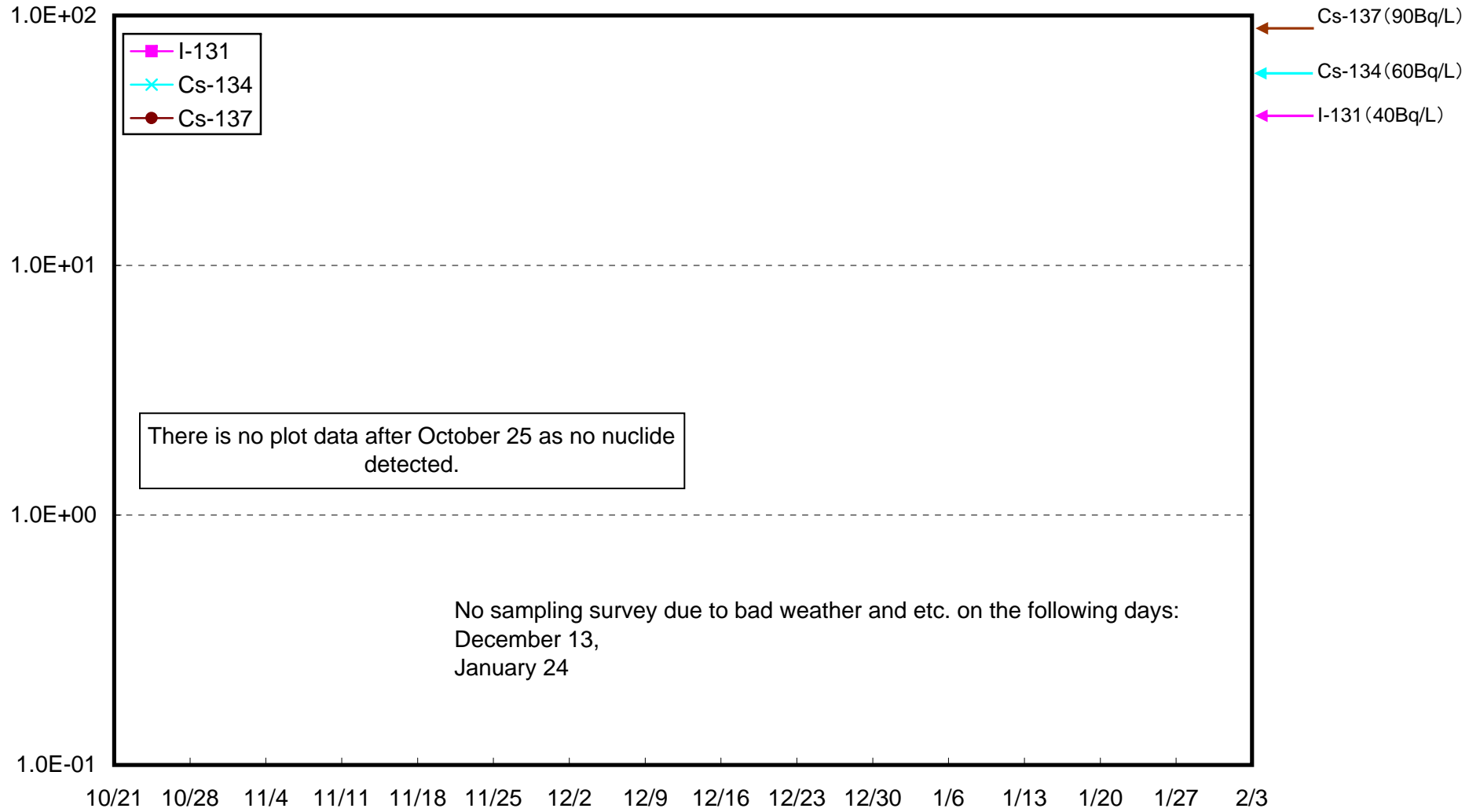
Radioactivity Density of Seawater around approx. 5 km offshore of Souma City Lower Layer (Bq/L)

Notification Level



Radioactivity Density of Seawater around 5 km offshore of Kashima Upper Layer (Bq/L)

Notification Level



Radioactivity Density of Seawater around 5 km offshore of Kashima Lower Layer (Bq/L)

Notification Level

