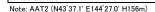
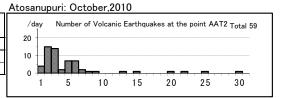
火山観測 Summary of Observations on Volcanoes 連続監視 平成22年(2010年)10月

Continuous Observation in October,2010

(1)アトサヌプリ 震動観測(Seismic Observation) 月計 最大(起日) Observation Point: AAT2 max (date) total 火山性地震回数(Number of volcanic earthquakes 59 15 (2) 火山性微動回数(Number of volcanic tremors)



微動継続時間(Duration of volcanic tremors) (min.)



Maximum Plume Height

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20

□Uncolored

□Uncolored

ممملاء

30

□Uncolored

Ш

30

25

30

25

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes)(JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	200 (22)

噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	1	

Note: Plumes were from Upper part of F1 Fumaroles(Location U),

Middle part of F1 Fumaroles(M) Lower part of F1 Fumaroles(L) and/or F2 Fumaroles(F)

Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray (G) and other.}$

(2)雌阿赛兵

(=/20E1 1-C- E		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: MEAB	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	26	11 (27)
火山性微動回数(Number of volcanic tremors)	-	_
微動継続時間(Duration of volcanic tremors) (min.)	-	_

Note: MEAB (N43°22.8' E143°58.7' H680m)

Meakandake: October,2010

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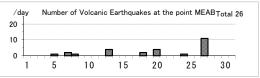
10

400 200

400 200

> 0 1

200 100 1



Maximum Plume Height

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15

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aDDa.

20

遠望観測(Visual Observation)	最大(起日) max (date)	
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)	
噴煙の高さ(Height of plumes) (m)	200 (27)	
噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	-	
Note: Plumes were from the Ponmachineshiri Summit Crater(LocationT),		

the Nakamachineshiri Crater(U), the Akanuma Crater(M) and/or

Ponmachineshiri NW Fumaroles(N). Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: TIAE	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	20	3 (8,19,25)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: TIAF (N43°39 7' F142°49 6' H1607m)

/day	Number	of Volcar	nic Earthqu	uakes at th	ne point TL	Α <u>F</u> otal 2
		l				
						1 1 1 1

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	200 (21)

噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	_	
N . D . C . T . L . (1		

Note: Plumes were from I Fumaroles(Location I) Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray (G) and other.}$

(4)十勝岳

(1/ 1 /// III		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: TOKH	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	67	9 (31)
火山性微動回数(Number of volcanic tremors)	-	_
微動継続時間(Duration of volcanic tremors) (min.)	_	-

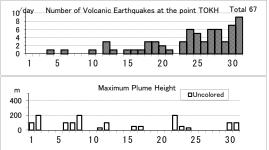
Note: TOKH (N43°26.0' E142°40.2' H1.355m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes)(JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	200 (2,8,22)
喧価の名(Color of plumos)	W

Tokachidake: October,2010

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他の火山現象(Other volcanic phenomena) Note: Plumes were from the Taisho Crater(Location X),

the 62 crater Area(P,Q,Y),the Furikozawa Fumaroles (F) and/or the Kyufun Crater (Z).

Note: Uncolored:Plume color was White(W).

(5) 樽前山

(6) [4] [13]		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: TARC	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	198	22 (29)
火山性微動回数(Number of volcanic tremors)	-	_
微動継続時間(Duration of volcanic tremors) (min.)	-	_

Note: TARC (N42°42.2' E141°22.6' H638m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	100 (2,7,18)

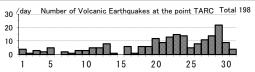
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	_

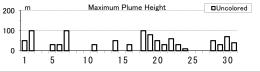
Note: Plumes were from the Summit Area(Location A, B and/or E).

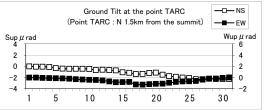
Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white (GW), Gray(G) and other.

Tarumaesan: October,2010





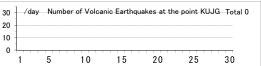


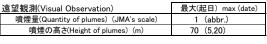
(6) 但多楽

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: KUJG	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	ı	_
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	_

Note:KUJG (N42°29.5' E141°7.7' H327m)

Kuttara: October,2010



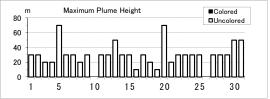


噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	1

Note: Plumes were from Hiyoriyama Fumarole(Location H)

Note: Uncolored:Plume color was White(W). Colored:Plume color was Light white(LW),

Grayish white(GW), Gray(G) and other.

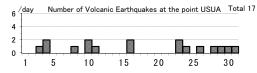


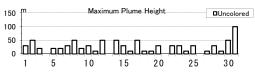
(7)有珠山

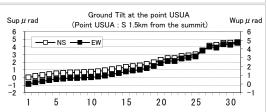
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: USUA	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	17	2 (abbr.)
火山性微動回数(Number of volcanic tremors)	-	ı
微動継続時間(Duration of volcanic tremors) (min.)	_	_

Note: USUA (N42°31.7' E140°50.2' H246m)

Usuzan: October,2010









唄煙の高さ(Height of plumes)(m)	100 (31)
噴煙の色(Color of plumes)	W

他の火山現象(Other volcanic phenomena) -Note: Plumes were from the Summit Area of Usuzan(Location P),

Mt.showa-shinazan(Z), Nishi-yama vent group(N)

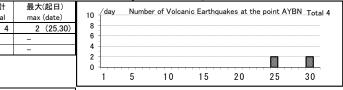
and Konpira-vama vent group(K).

Note: Uncolored:Plume color was White(W). Colored:Plume color was Light white(LW),

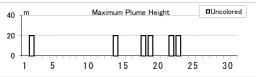
Grayish white(GW), Gray(G) and other.

(8)北海道駒ヶ岳 Hokkaido-Komagatake: October,2010 最大(起日) 震動観測(Seismic Observation) 月計 day Number of Volcanic Earthquakes at the point KOMA Total 0 Observation Point: KOMA total max (date) 火山性地震回数(Number of volcanic earthquakes 10 火山性微動回数(Number of volcanic tremors) 微動継続時間(Duration of volcanic tremors) (min. Note: KOMA (N42°03.2' E140°38.3' H265m) 10 15 25 30 遠望観測(Visual Observation) 最大(起日) max (date) Maximum Plume Height m 噴煙量(Quantity of plumes)(JMA's scale) 1 (2) 40 □Uncolored 噴煙の高さ(Height of plumes) (m) 20 (2) 20 噴煙の色(Color of plumes) W 0 他の火山現象(Other volcanic phenomena) 5 10 15 20 25 30 Note: Plumes were from the Showa-4 Crater(Location D1) and/or the 96 South Crater(D2). Ground Tilt at the point KOMA Note: Uncolored:Plume color was White(W). (Point KOMA: SWW 3.5km from the summit) Colored:Plume color was Light white(LW), Grayish white(GW), Sup μ rad Wup μ rad Gray(G) and other. 0 0 No data this month for instrument anomalies. —□— NS -2 -2 -4 -4 -6 -6 5 10 30 1 15 20 25 (9)恵山 Esan: October,2010 震動観測(Seismic Observation) 月計 最大(起日) /day Number of Volcanic Earthquakes at the point ESDK Total 7 Observation Point: ESDK max (date) total 火山性地震回数(Number of volcanic earthquakes 2 (2) 6 火山性微動回数(Number of volcanic tremors) 微動継続時間(Duration of volcanic tremors) (min. 2 Note: ESDK (N41°48.7' E141°9.7' H369m) W W *** 888 1 10 15 20 25 30 遠望観測(Visual Observation) 最大(起日) max (date) Maximum Plume Height □Uncolored 200 噴煙量(Quantity of plumes) (JMA's scale) 1 (abbr.) 噴煙の高さ(Height of plumes) (m) 100 (22,28) 100 噴煙の色(Color of plumes) _0 0~_0~ ool 他の火山現象(Other volcanic phenomena) 000 Note: Plumes were from X Crater(Location X), Y Crater(Y) 10 5 15 20 25 30 Note: Uncolored:Plume color was White(W). Colored:Plume color was Light white(LW). Grayish white(GW), Gray(G) and other. (10)岩木山 Iwakisan: October,2010 遠望観測(Visual Observation) 最大(起日) max (date) 噴煙量(Quantity of plumes) (JMA's scale) Maximum Plume Height □Uncolored 400 噴煙の高さ(Height of plumes) (m) 200 噴煙の色(Color of plumes) 他の火山現象(Other volcanic phenomena) 10 5 15 20 25 30 Note: Plumes were from Iwaki Summit Note: Uncolored:Plume color was White(W). Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other. () file = l+ . I xeyama: October,2010 Number of Volcanic Earthquakes at the point AYBN Total 4

(11)秋田焼山			Akita-Yake
震動観測(Seismic Observation)	月計	最大(起日)	10 /day
Observation Point: AYBN	total	max (date)	10 Tuay
火山性地震回数(Number of volcanic earthquake	s) 4	2 (25,30)	8
火山性微動回数(Number of volcanic tremors)	-	-	6
微動継続時間(Duration of volcanic tremors) (min	n.) –	_	4
Note: AYBN (N39°56.7' E140° 43.2'H738m)		·	2



遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	20 (abbr.)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	_
Note: Plumes were from Yakeyama Summit	



Note: Uncolored:Plume color was White(W).

(12)岩手山 Iwatesan: October,2010 震動観測(Seismic Observation) 月計 最大(起日) /day Number of Volcanic Earthquakes at the point IWYK Total 8 max (date) Observation Point: IWYK total 火山性地震回数(Number of volcanic earthquakes 8 3 (16) 8 火山性微動回数(Number of volcanic tremors) 6 微動継続時間(Duration of volcanic tremors) (min. 4 Note:IWYK (N39°52.7' E140°57.6' H763m) 2 ******* 0 20 30 遠望観測(Visual Observation) 最大(起日) max (date) 1 5 10 15 25 噴煙量(Quantity of plumes) (JMA's scale) 噴煙の高さ(Height of plumes) (m) Maximum Plume Height 20 □Uncolored 15 噴煙の色(Color of plumes) 10 他の火山現象(Other volcanic phenomena) 5 Note: Plumes were from the Kurokurayama Summit(LocationX) 0 the Ojigokudani(Y-6) 5 25 30 10 15 20 Note: Uncolored:Plume color was White(W).* Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other. *Uncolored plumes mean only White(W) color since 1st April, 2010. (13)秋田駒ケ岳 Akita-Komagatake: October,2010 遠望観測(Visual Observation) 最大(起日) max (date) Maximum Plume Height 噴煙量(Quantity of plumes)(JMA's scale) 100 □Uncolored 噴煙の高さ(Height of plumes) (m) 50 噴煙の色(Color of plumes) 他の火山現象(Other volcanic phenomena) 0 Note: Plumes were from Medake Summit(Location Z-1a), 5 10 15 20 25 30 1 Geothermal area on the N part of Medake Summit(Z-1b), W part of Medake Summit(Z-1c), Geothermal area on the NE slope of Medake Summit(Z-1d) and/or Crater on the E part of Medake Summit(Z-1e) Note: Uncolored:Plume color was White(W). Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other. (14)鳥海山 Chokaisan: October,2010 震動観測(Seismic Observation) 月計 最大(起日) /day Number of Volcanic Earthquakes at the point KNM Total 0 Observation Point: KNM 10 max (date) total 8 火山性地震回数(Number of volcanic earthquakes) 火山性微動回数(Number of volcanic tremors) 微動継続時間(Duration of volcanic tremors) (min. Note: KNM (N39°07.8' E139°56.4'E H335m) 0 5 10 20 25 30 15 遠望観測(Visual Observation) 最大(起日) max (date) Maximum Plume Height 噴煙量(Quantity of plumes) (JMA's scale) 100 □Uncolored 噴煙の高さ(Height of plumes) (m) 50 噴煙の色(Color of plumes) 他の火山現象(Other volcanic phenomena) 5 10 15 20 25 30 1 Note: Plumes were from Sin Summit(Location Y) Note: Uncolored:Plume color was White(W). Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other. (15)栗駒山 Kurikomayama: October,2010 震動観測(Seismic Observation) 月計 最大(起日) /day Number of Volcanic Earthquakes at the point KRK2 Total 0 Observation Point: KRK2 total max (date) 火山性地震回数(Number of volcanic earthquakes 6 火山性微動回数(Number of volcanic tremors) 微動継続時間(Duration of volcanic tremors) (min. 4 Note: KRK2 (N38°56.5' E140°49.1' H840m) 5 10 25 30 15 20 最大(起日) max (date) 遠望観測(Visual Observation) 噴煙量(Quantity of plumes)(JMA's scale) m Maximum Plume Height □Uncolored 400 噴煙の高さ(Height of plumes) (m)

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Note: Plumes were from Showa Lake(Location Z-1),Old Crater (W-1) Note: Uncolored:Plume color was White(W).

噴煙の色(Color of plumes) 他の火山現象(Other volcanic phenomena)

(16)蔵王山 Zaozan: October,2010 震動観測(Seismic Observation) 月計 最大(起日) Number of Volcanic Earthquakes at the point BDR Total 0 Observation Point: BDR total max (date) 30 火山性地震回数(Number of volcanic earthquakes 20 火山性微動回数(Number of volcanic tremors) 10 微動継続時間(Duration of volcanic tremors) (min.)
Note: BDR(N38°07.3' E140°23.7' H1,012m) 0 1 5 10 15 20 25 30 遠望観測(Visual Observation) 噴煙量(Quantity of plumes) (JMA's scale) 最大(起日) max (date) Maximum Plume Height □Uncolored 400 噴煙の高さ(Height of plumes) (m) 200 噴煙の色(Color of plumes) 他の火山現象(Other volcanic phenomena) 5 10 30 1 15 20 25

Note: Plumes were from Okama(Location S-1b), Maruyamasawa(Y-2a)

Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray(G) and other.}$

(17)吾妻山			Azum	nayam	na: Oc	tober,20	10			
震動観測(Seismic Observation)	月計	最大(起日)		/day	Numb	er of Volcani	c Fartho	uakes at ti	he noint A	ZUA Total 103
Observation Point: AZUA	total	max (date)	10 ⁴	uuy	TTUITE	or or voicum	o Larting	danos de c	no point / a	LOT
火山性地震回数(Number of volcanic earthquakes)	103	8 (1,17)	6							
火山性微動回数(Number of volcanic tremors)	-	_	4	h		4111	Н	п П		
微動継続時間(Duration of volcanic tremors) (min.)	-	ı	2	Ш				шь		
Note: AZUA (N37°43.3' E140°16.5' H1,295m)				1	5	10	15	20	25	30
遠望観測(Visual Observation)	最大(走	引 max (date)				M i	Di I	L.C.J.A		
噴煙量(Quantity of plumes) (JMA's scale)	1	(abbr.)	600	m		Maximum	Plume F	-		Jncolored
噴煙の高さ(Height of plumes) (m)	500	(18)	400							Jicolorea
	•		200	_					_	
噴煙の色(Color of plumes)	W		$\prod_{\alpha} \bar{x}_{\alpha}$		_	_п	ПП			Ш
他の火川現象(Other volcanic phenomena)	_		0.							

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他の火山現象(Other volcanic phenomena) Note: Plumes were from the Oana Crater

Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray (G) and other.}$

(18)安達太良山			Adatar	ayam	a: Od	ctober,2	2010			
震動観測(Seismic Observation)	月計	最大(起日)	/.	dav	Num	or of Vol	onio Eart	hauskos st	the point	ADTB Total 2
Observation Point: ADTB	total	max (date)	10 1	Jay	Nulli	Jei oi voic	Janiic Lant	iquakes at	trie politic	ADID Total 2
火山性地震回数(Number of volcanic earthquakes)	2	1 (11,18)	8							
火山性微動回数(Number of volcanic tremors)	-	-	4							
微動継続時間(Duration of volcanic tremors) (min.)	-	-	2			8888		***		
Note: ADTB(N37° 38.1′ E140° 18.2′ H1,320m)			1		5	10	15	20	25	30
遠望観測(Visual Observation)	最大(走	2日)max (date)				Massians	m Plume I	la:alak		Uncolored
噴煙量(Quantity of plumes) (JMA's scale)	-		m			Maximu	m Plume r	reignic	_	
噴煙の高さ(Height of plumes) (m)	-		400							
			200							
噴煙の色(Color of plumes)	-		0							
			0 7							

1 5 10

15

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Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Gravish white(GW), Grav(G) and other,

(19)磐梯山			Bandaisar	n: Oct	ober,2010)			
震動観測(Seismic Observation)	月計	最大(起日)	10 /day	Numb	er of Volcan	io Eartha	uakaa at th	o point E	RNDA Total 17
Observation Point: BNDA	total	max (date)	10 / day	Nullib	er or voicari	ic Lartriq	uanes at tri	e point L	SNDA Total 17
火山性地震回数(Number of volcanic earthquakes)	17	9 (8)	6						
火山性微動回数(Number of volcanic tremors)	-	-	4 🖯						
微動継続時間(Duration of volcanic tremors) (min.)	-	-	2	***					
Note: BNDA(N37° 35.0′ E140° 04.8′ H1000m)			1	5	10	15	20	25	30
遠望観測(Visual Observation)	最大(走	己日) max (date)						1	
噴煙量(Quantity of plumes) (JMA's scale)	1	(10,27)	60 ^m		Maximum	n Plume H	eight		□Uncolored
噴煙の高さ(Height of plumes) (m)	50	(10,27)	40					[
•			1						
噴煙の色(Color of plumes)	W		20						
他の火山現象(Other volcanic phenomena)	-		0						4
Note: Plumes were from the Fumarolic area in Crate	er wall		1	5	10	15	20	25	30

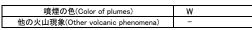
Note: Uncolored:Plume color was White(W).

(20)那須兵

月計	最大(起日)
total	max (date)
4	2 (21)
_	_
-	_
	total 4

Note: NSUA (N37°06.2' E139°59.6' H1,083m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	100 (abbr.)



Note: Plumes were from the west flank of Mt. Nasudake

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

(21)日光日根山		
遠望観測(Visual Observation)	最大(起日) max (date)	
噴煙量(Quantity of plumes) (JMA's scale)	_	
噴煙の高さ(Height of plumes) (m)	_	
噴煙の色(Color of plumes)	_	
他の火山現象(Other volcanic phenomena)	_	
Note: Plumes were from Summit Area of Nikko-Shiranesan(Location A)		

Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray(G) and other.}$

(22)草津白根山

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: KSHA	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	10	2 (30)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: KSHA (N36°38.9' E138°32.7' H1,933m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	100 (8.22)

噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	-	

Note: Plumes were from the Yugama Crater and Fumaroles at northern side

of Yugama Crater

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

(23)浅間山

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: ASMB	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	114	8 (25,30)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	_

Note: ASMB (N36°23.4' E138°31.1' H1,864m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	2 (6,8,13)
噴煙の高さ(Height of plumes) (m)	300 (6.7.13)

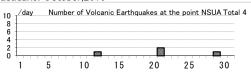
噴煙の色(Color of plumes)	W
他の少川理象(Other volcanic phenomena)	_

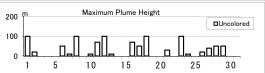
Note: Plumes were from the Kamayama Crater(Location A).

Note: Uncolored:Plume color was White(W).

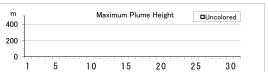
Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

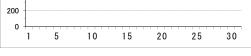
Nasudake: October,2010



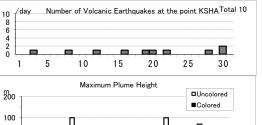


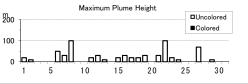




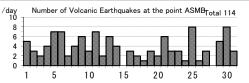


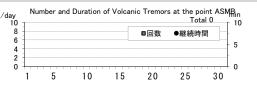
Kusatsu-Shiranesan: October,2010

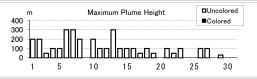


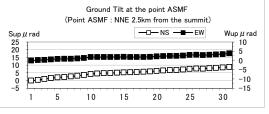












(24)新潟焼山

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: NYK2	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	1	1 (9)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: NYK2 (N36°57.4' E138°2.3' H1,147m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes)(JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	50 (1.16)

噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	_

Note: Plumes were from Upper East flank(Location A).

Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray(G) and other.}$

5

5

0 1

60

40 20

1

Niigata-Yakeyama: October,2010

10

10

day Number of Volcanic Earthquakes at the point NYK2 Total 1

20

20

25

25

30

30

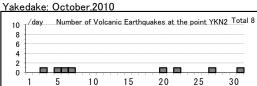
30

□Uncolored

15

15

Maximum Plume Height



(25)焼岳

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: YKN2	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	8	1 (abbr.)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	1
Note: YKN2 (N36°15.7' E137°34.5' H1,151m)		

(26)垂缺兵

(20)未我山	
遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	_
噴煙の高さ(Height of plumes) (m)	_

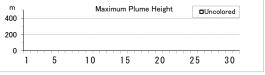
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	_

Note: Plumes were from Summit Crater(Location A).

Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray (G) and other.}$

Norikuradake: October,2010



(27) 御獄山		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: ONTA	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	4	2 (28)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	ı	_

Note: ONTA (N35°52.6' E137°29.7' H2.228m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	200 (22)

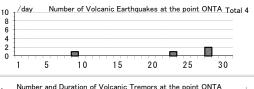
噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	_	

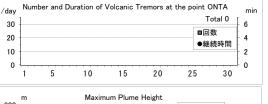
Note: Plumes were from the Otaki summit Crater (A) and/or S6 $\,$

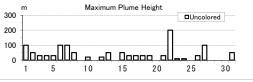
Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Grav(G) and other.

Ontakesan: October,2010







(28)白山

(20) LI H			
震動観測(Seismic Observation)	月計	最大(起日)	
Observation Point: HSMD	total	max (date)	
火山性地震回数(Number of volcanic earthquakes)	53	11 (6)	
火山性微動回数(Number of volcanic tremors)	-	-	
微動継続時間(Duration of volcanic tremors) (min.)	-	-	

Note: HSMD (N36°8.8' E136°45.9' H2,345m)

遠望観測(Visual Observation)	最大(起日) max (date)
赵主既例(Visual Observation)	取入(配口) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	_

噴煙の色(Color of plumes)	1
他の火山現象(Other volcanic phenomena)	1

Note: Plumes were from Summit Area of Hakusan(Location A)

Note: Uncolored:Plume color was White(W).

Hakusan: October,2010 /day Number of Volcanic Earthquakes at the point HSMD Total 53 20 10 -0 30 5 10 15 20 25 m Maximum Plume Height □Uncolored 400 200 5 10 15 20 25 30

(29)富士山

COBLE		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: FUJ2	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	11	3 (16)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	_

Note: FUJ2 (N35°21.6' E138°43.6' H3,772m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	_

他の火山現象(Other volcanic phenomena) Note: Plumes were from Summit Crater(LocationA), Hoei Crater(B)

Note: Uncolored:Plume color was White(W).

噴煙の色(Color of plumes)

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray(G) and other.}$

(30)箱根山

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	200 (16,28)

噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	_	

Note: Plumes were from Fumaroles near Owakudani(Location A),

Fumaroles near Sounjigoku(B)

Note: Uncolored:Plume color was White(W).

 $\label{lem:colored:Plume color was Light white (LW), Grayish white (GW), Gray(G) and other.}$

(31)伊豆東部火山群

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: ITBA,Kamata2	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	119	38 (30)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	1

Note: ITBA (N35°00.5' E139°05.9' H12m)

Kamata2(N34°55.71' E139°03.65' H175m)

他の火山現象(Other volcanic phenomena)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	_
噴煙の高さ(Height of plumes) (m)	-
噴煙の色(Color of plumes)	-

(32)伊豆大島

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: OSMA	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	1337	317 (17)
火山性微動回数(Number of volcanic tremors)	-	_
微動継続時間(Duration of volcanic tremors) (min.)	ı	_

Note: OSMA (N34°44.2' E139°23.2' H553m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	100 (13)

噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	1

Note:Plumes were from the Miharayama Summit Crater(Location A),

the Fumaroles at western side of Miharashinzan(A1),

the Fumaroles near Kengamine(A2),

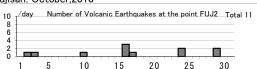
the Fumaroles at eastern side of Miharashinzan(A3)

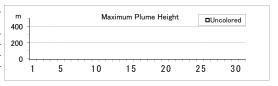
Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW),

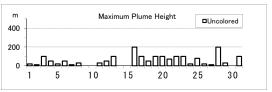
Gray(G) and other.

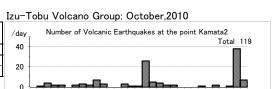
Fujisan: October,2010

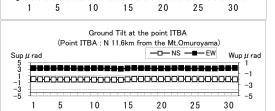




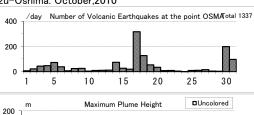
Hakoneyama: October,2010

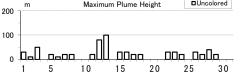






Izu-Oshima: October,2010





(33)新島 震動観測(Seismic Observation) 月計 最大(起日) Observation Point: NIST total max (date) 火山性地震回数(Number of volcanic earthquakes 1 (abbr.) 火山性微動回数(Number of volcanic tremors)

微動継続時間(Duration of volcanic tremors) (min.) Note: NIST (N34°21.8' E139°14.9' H41m)

toper,	2010				
Numbe	er of Volca	nic Earthq	uakes at th	ne point NI	ST Total 4
5	10	15	20	25	30
				Number of Volcanic Earthquakes at th	Number of Volcanic Earthquakes at the point NI 5 10 15 20 25

Maximum Plume Height

□Uncolored

30

25

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-

噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	_

Note: Plumes were from Summit Area of Tangovama(Location A)

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G)

-	0							
	1	5	10	15	20	25	30	
and	d other.							
unc								
	Kozushim	ia: Octo	ober,201	10				
	10 _⊤ /day	Numbe	r of Volcar	nic Earthqu	uakes at th	e point KC	TJ Total	0

10

400 200

(34)神津島		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: KOTJ	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	_	-
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	_
Note: KOTJ (N34°13.2' E139°08.9' H372m)		

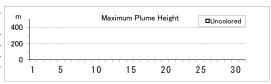
遠望観測(Visual Observation) 最大(起日) max (date) 噴煙量(Quantity of plumes) (JMA's scale) 噴煙の高さ(Height of plumes) (m)

噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	_
N · DI C O II A CT : /	1 41

Note: Plumes were from Summit Area of Tenjosan(Location A)

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.



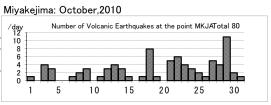
15

20

(35)三	宅	島

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: MKJA	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	80	11 (29)
火山性微動回数(Number of volcanic tremors)	-	1
微動継続時間(Duration of volcanic tremors) (min.)	-	_

Note: MKJA (N34°05.9' E139°32.0' H527m)

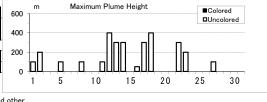


遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	2 (abbr.)
噴煙の高さ(Height of plumes) (m)	400 (12,18)
righter (Color of plumos)	14/

噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	_
Note: Plumos were from the Summit Creter	

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.



(36)八丈島 震動観測(Seismic Observation) 月計 最大(起日) Observation Point: HACHJ3 max (date) total 火山性地震回数(Number of volcanic earthquakes 火山性微動回数(Number of volcanic tremors)

微動継続時間(Duration of volcanic tremors) (min.) Note: HACHJ3 (N33 06.92 E139 48.83 H70m)

	Number of Volcanic Earthquakes at the point HACHJ3					Total
_						

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	_

噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Uncolored:Plume color was White(W).

Note: Plumes were from Nishiyama Crater(Location A)

Maximum Plume Height □Uncolored 400 200 0 5 10 15 20 25 30

(37)青ヶ島 Aogashima: October,2010 震動観測(Seismic Observation) 月計 最大(起日) Number of Volcanic Earthquakes at the point AOMT Observation Point: AOMT total max (date) 火山性地震回数(Number of volcanic earthquakes 6 火山性微動回数(Number of volcanic tremors) 微動継続時間(Duration of volcanic tremors) (min.) Note: AOMT(N32°28.0' E139°45.6' H273m) 0 10 15 20 25 30 遠望観測(Visual Observation) 最大(起日) max (date) 噴煙量(Quantity of plumes) (JMA's scale) m Maximum Plume Height □Uncolored 400 噴煙の高さ(Height of plumes) (m) 200 噴煙の色(Color of plumes)

他の火山現象(Other volcanic phenomena) Note: Plumes were from Western flank of Maruvama(Location A)

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

(38)九重山

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: KJA2	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	2	1 (13,18)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	_

Note: KJA2 (N33°06.2' E131°13.8' H1,282m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	2 (30)
噴煙の高さ(Height of plumes) (m)	300 (13,30)

噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	1

Note: Plumes were from the east and/or north-east flank of Mt. Hossho

(Location A.B.C or D).

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

(39)阿蘇山

(00) -1 -1		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: ASOA	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	116	53 (30)
孤立型火山性微動回数	482	37 (14)
(Number of isolated volcanic tremors)		

Note: ASOA (N32°53.1' E131°04.7' H1,163m)

遠望観測(Visual Observation) 最大(起日) max (date) 噴煙量(Quantity of plumes) (JMA's scale) 2 (1.30) 噴煙の高さ(Height of plumes) (m) 500 (30)

_			
Γ	噴煙の色(Color of plumes)	W	
Γ	他の火山現象(Other volcanic phenomena)	_	·

Note: Plumes were from the Crater No.1 of Mt. Nakadake.

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW),

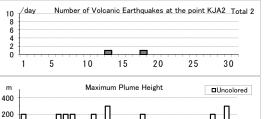
Gray(G) and other.

現地観測(Field Observation)	最高(起日) max (date)
	最低(起日) min (date)
火口内の湯だまりの表面温度 (Surface	67 (14)
temperature on the water pool in the crater) (°C)	62 (18)
火口壁の表面温度 (Surface temperature	281 (18)
on the crater wall) (°C)	257 (7)

Observation Point:the Crater No.1 of Mt. Nakadake

Kujusan: October,2010

5



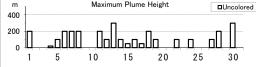
15

10

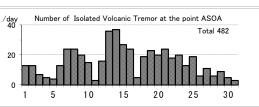
20

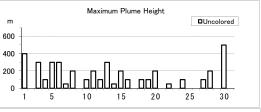
25

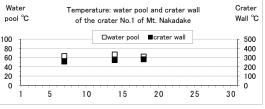
30



Asos	an: O	ctobe	r,2010				
60	/day	Numbe	r of Volcar	ic Earthqu	akes at th	e point AS	OATotal 116
40	-						
20							
0	1	5	10	15	20	25	30







(40)雲仙岳

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: UNZA	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	5	1 (abbr.)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min)	_	-

Note: UNZA (N32°44.1' E130°16.1' H769m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	_

噴煙の色(Color of plumes)	_
他の火山現象(Other volcanic phenomena)	-

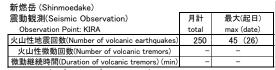
Note: Plumes were from the 10th Lava Dome(Location A10)

and/or the 11th Lava Dome(A11).

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW), ${\sf Gray}({\sf G}) \ {\sf and} \ {\sf other}.$

(41)霧島山 Kirishimayama: October,2010



Note: KIRA (N31°54.0' E130°52.3' H1,035m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	300 (30)

噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	ı	

Note: Plumes were from the Shinmoedake Crater

Note: Uncolored:Plume color was White(W).

Colored:Plume color was Light white(LW), Grayish white(GW),

Gray(G) and other.



/day Number of Volcanic Earthquakes at the point UNZA Total 5

20

20

25

25

30

□Uncolored

30

15

Maximum Plume Height

15

10

10

-∏ -m-m-∏-c∏

Unzendake: October.2010

5

5

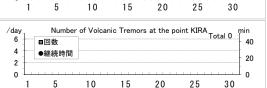
5

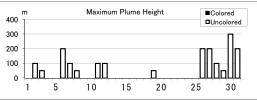
m

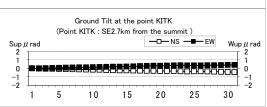
400 200 0

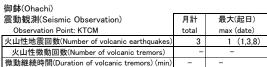
10

1









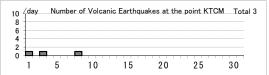
Note: KTCM (N31°53.2' E130°55.2' H1,549m)

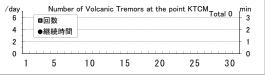
遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	_

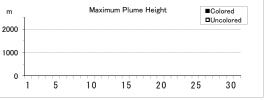
噴煙の色(Color of plumes)	_
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from the Ohachi Crater

Note: Uncolored:Plume color was White(W).







(42)桜島

(12/12/12)		
震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: SKRB	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	109	9 (30)
火山性微動回数(Number of volcanic tremors)	257	67 (24)
微動継続時間(Duration of volcanic tremors) (min)	3093	861 (25)

Note: SKRB (N31°35.6' E130°38.4' H455m)

遠望観測(Visual Observation)	月計	最大(起日)
ZZ Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	total	max (date)
爆発回数(Number of explosive eruptions)	13	2 (abbr.)
隆灰量(Amount of ash fall) (g/m²)	24	14 (21)

A,B火口(A,B crater)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (26,30)
噴煙の高さ(Height of plumes) (m)	200 (30)

昭和火口(Showa crater)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	3 (abbr.)
噴煙の高さ(Height of plumes) (m)	1200 (8.13.16)

d		
	噴煙の色(Color of plumes)	W,LW,GW
	他の火山現象(Other volcanic phenomena)	Gl,Bm,Af

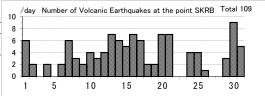
Note: Plumes were from Mt. Minamidake A Crater(A), B Crater(B) and Showa Crater(S)

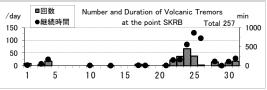
Note: Uncolored:Plume color was White(W).

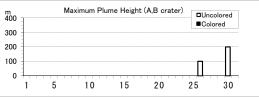
Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

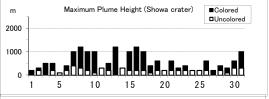
Visual observation of explosion is described on another sheet.

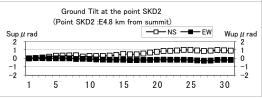
Sakurajima: October,2010







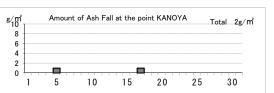




地磁気観測所鹿屋出張所による桜島の日降灰量観測

Extra observation of daily amounts of ash fall from Sakurajima by the Kanoya Satellite Observatory, the Magnetic Observatory, JMA Date: daily (a.m. 0900)

遠望観測(Visual Observation)	月計	最大(起日)
Observation Point: KANOYA	total	max (date)
際 広 是 (Amount of sob fall) (g/m²)	2	1 (5 17)



(43)薩摩硫黄鳥

(43/)旌序训说 吳 氙			
震動観測(Seismic Observation)	月計	最大(起日)	
Observation Point: STI1	total	max (date)	
火山性地震回数(Number of volcanic earthquakes)	362	105 (31)	
火山性微動回数(Number of volcanic tremors)	-	-	
今年 新 公	_	_	

Note: STI1 (N30°47.3' E130°18.1' H380m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes)(JMA's scale) 2 (7,30)
噴煙の高さ(Height of plum	es) (m) 300 (11 12 30)

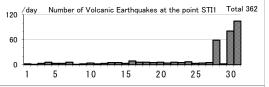
噴煙の色(Color of plumes)	W
他の東川理象(Other volcanic phenomena)	_

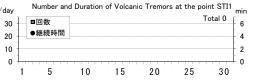
Note: Uncolored:Plume color was White(W)*

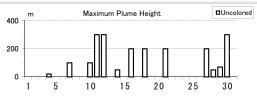
 $\label{eq:Colored:Plume color was Light white} \begin{tabular}{ll} $\text{Colored:Plume color was Light white}(LW), Grayish white}(GW), \\ $\text{Gray}(G)$ and other. \end{tabular}$

*Uncolored plumes mean only White(W) color since 1st April, 2010.

Satsuma-Iojima: October,2010







(44)口永良部島

震動観測(Seismic Observation)	月計	最大(起日)
Observation Point: KER1	total	max (date)
火山性地震回数(Number of volcanic earthquakes)	25	4 (5)
火山性微動回数(Number of volcanic tremors)	47	12 (7)
微動継続時間(Duration of volcanic tremors) (min.)	35	8 (8)

Note: KER1 (N30°26.9' E130°12.9' H566m)

遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	300 (11)

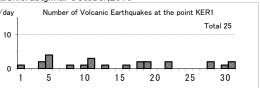
噴煙の色(Color of plumes)	W	
他の火山現象(Other volcanic phenomena)	_	

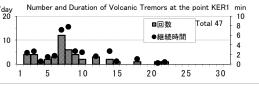
Note: Uncolored:Plume color was White(W)*.

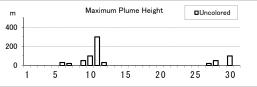
Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

*Uncolored plumes mean only White(W) color since 1st April, 2010.









(45)諏訪之瀬島

月計	最大(起日)
total	max (date)
309	73 (16)
54	23 (19)
249	91 (19)
	total 309 54

Note: SWA1 (N29°37.7' E129°42.3' H450m)

* Continuous volcanic tremors occurred intermittently in this month.

Number of volcanic tremors and duration are not including the continuous volcanic tremor.

遠望観測(Visual Observation)	月計	最大(起日)
	total	max (date)
焊発同数(Number of explosive equations)	24	7 (4)

	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	3 (6)
噴煙の高さ(Height of plumes) (m)	1000 (6)

噴煙の色(Color of plumes)	W,GW
他の火川現象(Other volcanic phenomena)	GI

Note: Uncolored:Plume color was White(W)*

 $\label{lem:colored:Plume color was Light white(LW), Grayish white(GW),} Gray(G) \ and \ other.$

*Uncolored plumes mean only White(W) color since 1st April, 2010.

Suwanosejima: October,2010

