

# 火山観測 Summary of Observations on Volcanoes

## 常時観測 平成23年(2011年)10月

### Continuous Observation in October,2011

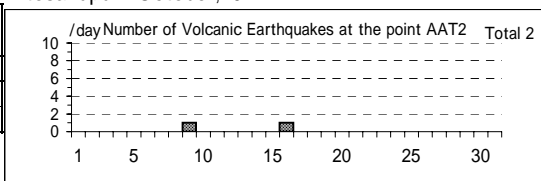
#### (1)アトサヌプリ

震動観測(Seismic Observation)

Observation Point: AAT2	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	2	1 (9,16)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: AAT2 (N43 37.11' E144 27.01' H156m)

#### Atosanupuri: October,2011



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 (29)

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

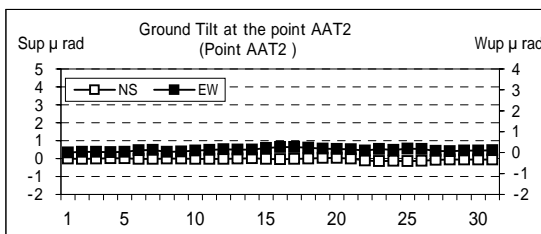
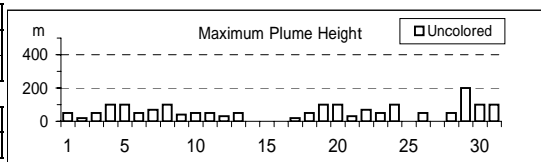
Note: Plumes were from Upper part of F1 Fumaroles(Location U),

Middle part of F1 Fumaroles(M) Lower part of

F1 Fumaroles(L) and/or F2 Fumaroles(F)

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

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



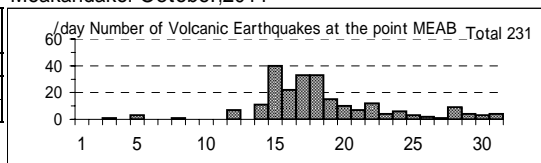
#### (2)雌阿寒岳

震動観測(Seismic Observation)

Observation Point: MEAB	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	231	40 (15)
火山性微動回数(Number of volcanic tremors)	1	1 (12)
微動継続時間(Duration of volcanic tremors) (min.)	1	1 (12)

Note: MEAB (N43 22.78' E143 58.65' H680m)

#### Meakandake: October,2011



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 (3,29)

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

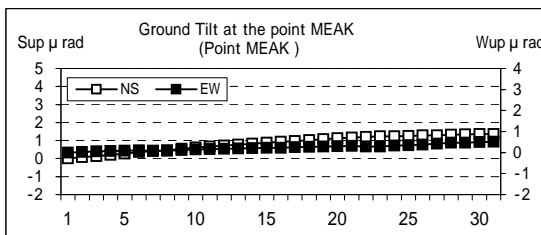
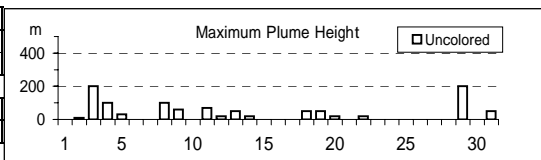
Note: Plumes were from the Ponmachineshiri Summit Crater(LocationT),

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.



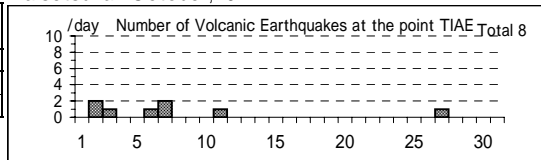
#### (3)大雪山

震動観測(Seismic Observation)

Observation Point: TIAE	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	8	2 (2,7)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: TIAE (N43 39.66' E142 49.62' H1607m)

#### Taisetsuzan:October,2011



遠望観測(Visual Observation)

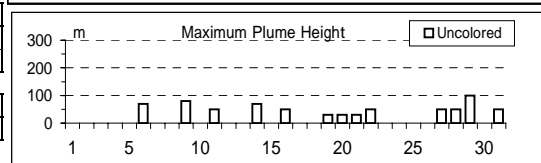
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	100 (29)

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

Note: Plumes were from I Fumaroles(Location I)

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

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



(4)十勝岳

震動観測(Seismic Observation)

Observation Point: TOKH	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	44	4 (5.25.31)
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 25.96' E142 40.15' H1,355m)

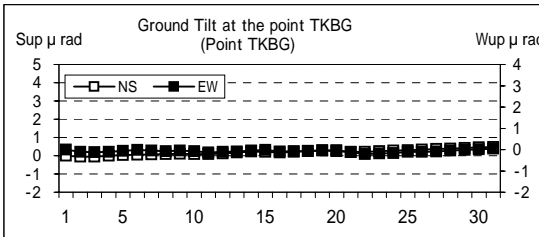
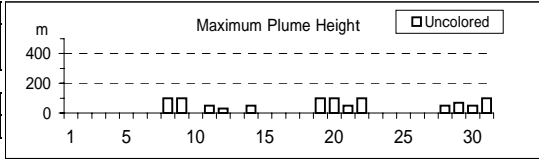
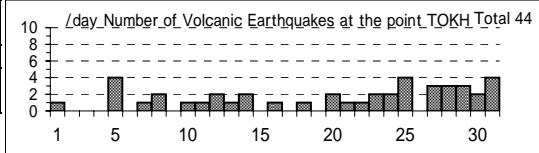
遠望観測(Visual Observation)

	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)	100 (abbr.)

噴煙の色(Color of plumes)	W
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).  
 Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

Tokachidake: October,2011



(5)樽前山

震動観測(Seismic Observation)

Observation Point: TARC	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	113	16 (5)
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 42.23' E141 22.64' H638m)

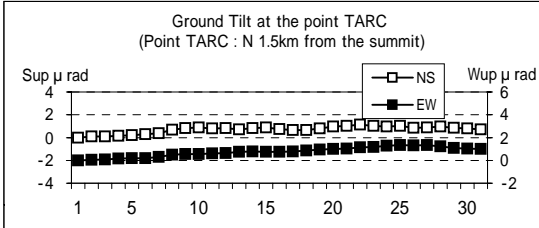
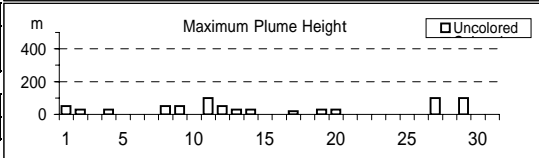
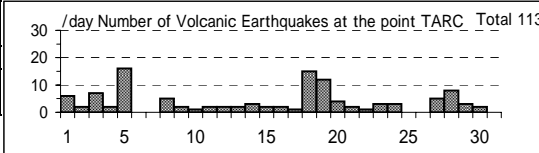
遠望観測(Visual Observation)

	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 (11.27.29)

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.

Tarumaezan: October,2011



(6)倶多楽

震動観測(Seismic Observation)

Observation Point: KUJG	月計 total	最大(起日) 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:KUJG (N42 29.50' E141 07.68' H327m)

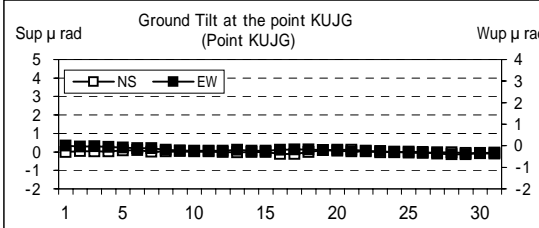
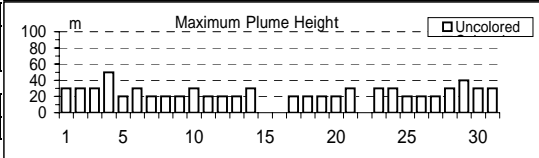
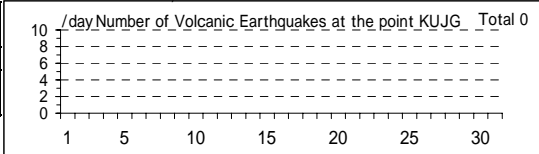
遠望観測(Visual Observation)

	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 (4)

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

Note: Plumes were from Hioryiyama Fumarole(Location H)  
 Note: Uncolored:Plume color was White(W).  
 Colored:Plume color was Light white(LW), Grayish white(GW), Gray(G) and other.

Kuttara: October,2011



(7)有珠山

震動観測(Seismic Observation)

Observation Point: USUA	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	15	2 (19,24,25)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: USUA (N42°31.70' E140°50.17' H246m)

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 (abbr.)

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

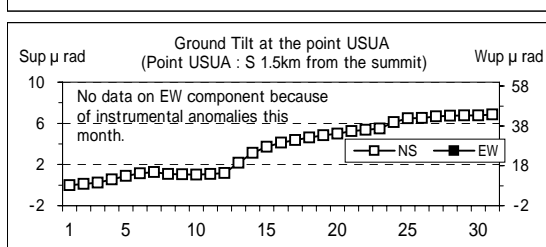
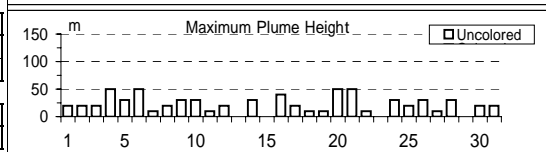
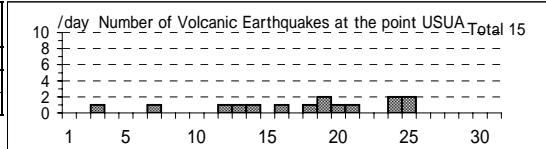
Note: Plumes were from the Summit Area of Usuzan(Location P), Mt.showa-shinazan(Z), Nishi-yama vent group(N) and Konpira-yama vent group(K).

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

Colored:Plume color was Light white(LW),

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

Usuzan: October,2011



(8)北海道駒ヶ岳

震動観測(Seismic Observation)

Observation Point: KOMA	月計 total	最大(起日) 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: KOMA (N42°03.19' E140°38.29' H265m)

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)	-

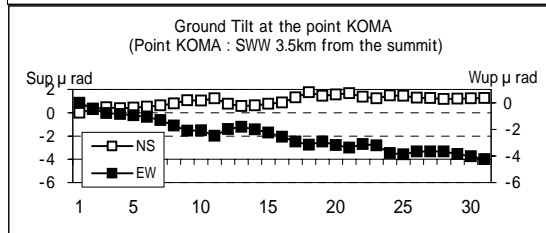
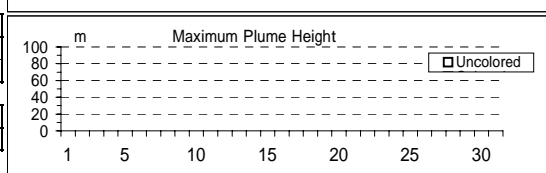
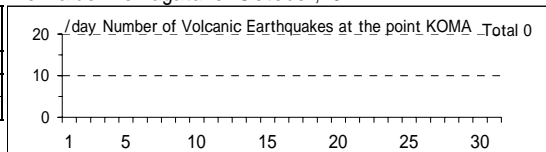
Note: Plumes were from the Showa-4 Crater(Location D1) and/or the 96 South Crater(D2).

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

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

Gray(G) and other.

Hokkaido-Komagatake: October,2011



(9)恵山

震動観測(Seismic Observation)

Observation Point: ESDK	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	7	2 (11,31)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: ESDK (N41°48.69' E141°09.73' H369m)

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 (4)

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

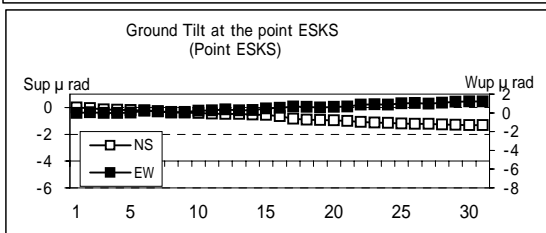
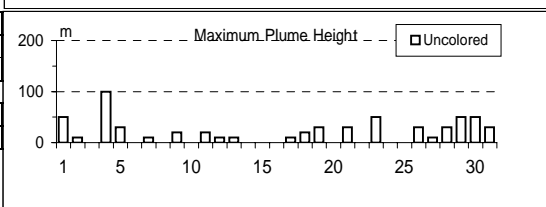
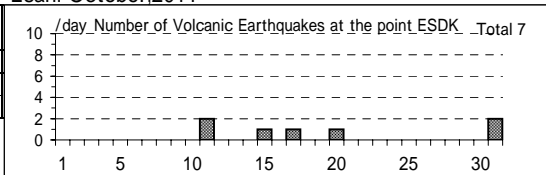
Note: Plumes were from X Crater(Location X), Y Crater(Y)

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

Colored:Plume color was Light white(LW),

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

Esan: October,2011



(10)岩木山

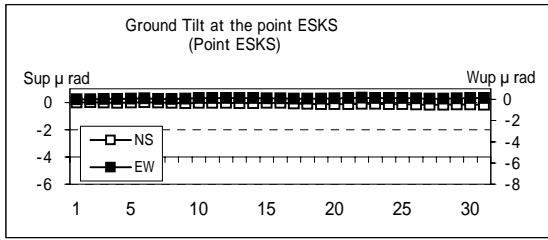
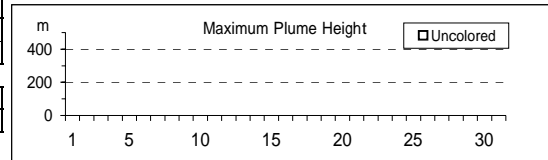
遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from Iwaki Summit

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

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

Iwakisan: October,2011

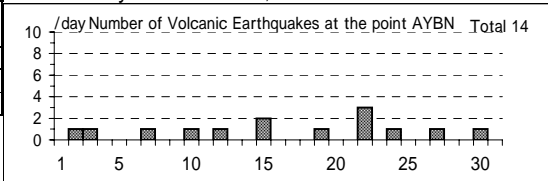


(11)秋田焼山

震動観測(Seismic Observation)	月計 total	最大(起日) max (date)
Observation Point: AYBN		
火山性地震回数(Number of volcanic earthquakes)	14	3 (22)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: AYBN (N39 56.72' E140 43.17' H738m)

Akita-Yakeyama : October,2011

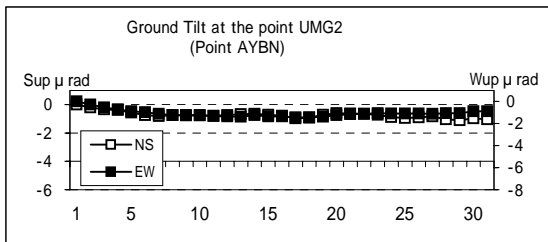
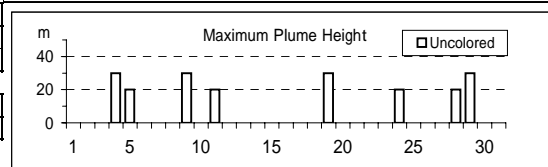


遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	30 (abbr.)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from Yakeyama Summit

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

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

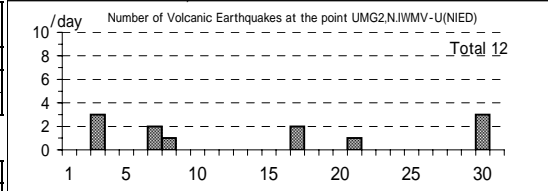


(12)岩手山

震動観測(Seismic Observation)	月計 total	最大(起日) max (date)
Observation Point: UMG2,N.IWMV-U(NIED)		
火山性地震回数(Number of volcanic earthquakes)	12	3 (3,30)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note:UMG2 (N39 49.94' E141 02.45' H609m),N.IWMV-U(NIED) (N39 53.01' E140 56.14' H804m)

Iwatesan: October,2011



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)	30 (29)

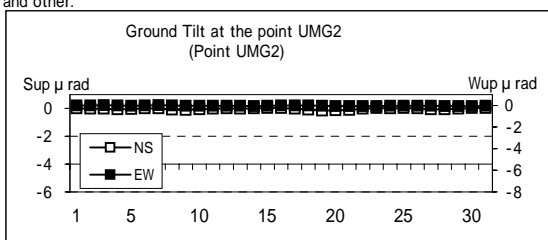
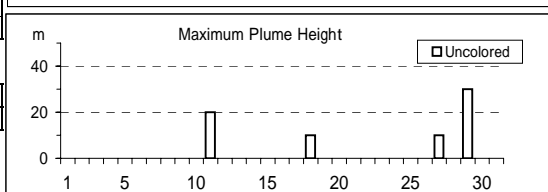
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from the Kurokurayama Summit(LocationX), the Ojigokudani(Y-6)

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)秋田駒ヶ岳

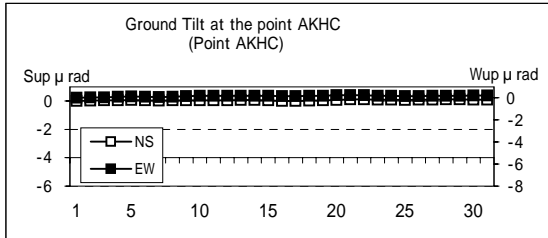
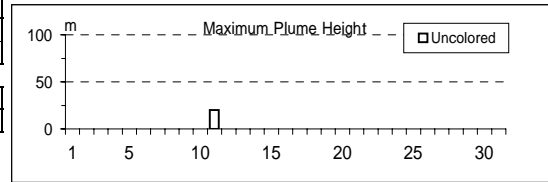
遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (11)
噴煙の高さ(Height of plumes) (m)	20 (11)

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

Note: Plumes were from Medake Summit(Location Z-1a), 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.

Akita-Komagatake: October,2011

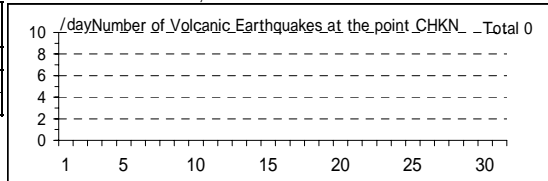


(14)鳥海山

震動観測(Seismic Observation)	月計 total	最大(起日) max (date)
Observation Point: CHKN		
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: CHKN (N39 07.75' E139 56.36' H335m)

Chokaisan: October,2011

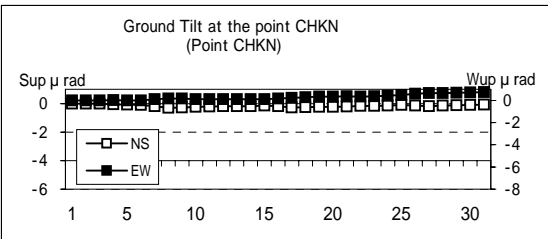
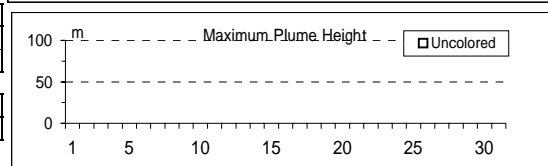


遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-

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

Note: Plumes were from 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.

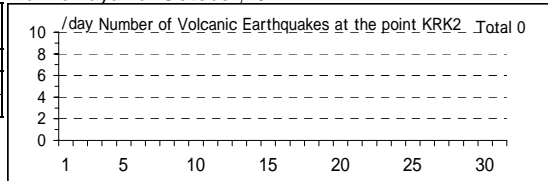


(15)栗駒山

震動観測(Seismic Observation)	月計 total	最大(起日) max (date)
Observation Point: KRK2		
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: KRK2 (N38 56.45' E140 49.08' H840m)

Kurikomayama: October,2011

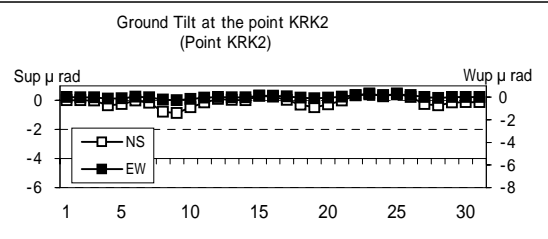
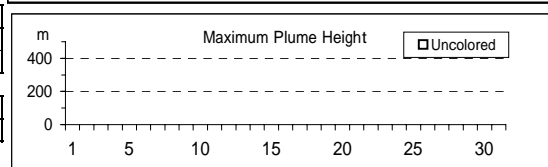


遠望観測(Visual Observation)	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-

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

Note: Plumes were from Showa Lake(Location Z-1),Old Crater (W-1)

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



(16) 蔵王山

震動観測(Seismic Observation)

Observation Point: ZABD	月計 total	最大(起日) 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: ZABD (N38°07.33' E140°23.69' H1,012m)

遠望観測(Visual Observation)

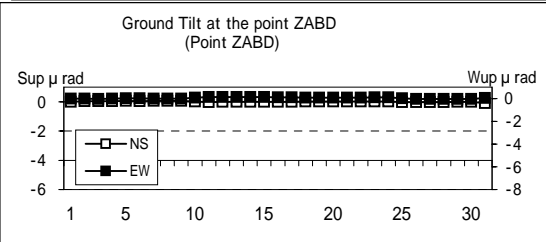
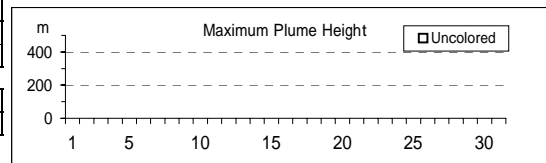
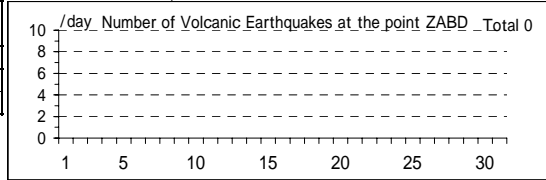
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

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

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

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

Zaozan: October, 2011



(17) 吾妻山

震動観測(Seismic Observation)

Observation Point: AZMA	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	76	10 (9)
火山性微動回数(Number of volcanic tremors)	5	1 (abbr.)
微動継続時間(Duration of volcanic tremors) (min.)	66	46 (11)

Note: AZMA (N37°43.34' E140°16.53' H1,295m)

遠望観測(Visual Observation)

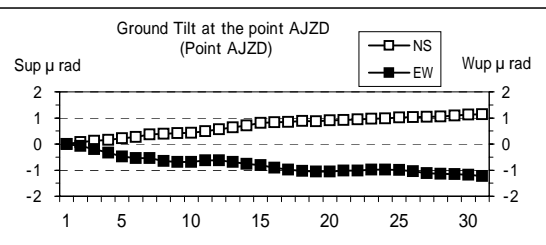
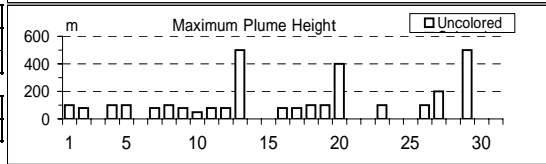
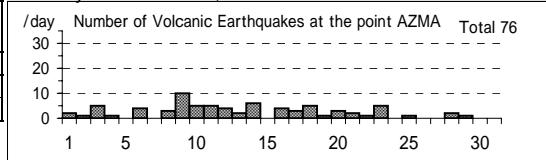
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	500 (13,29)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from the Oana Crater

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

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

Azumayama: October, 2011



(18) 安達太良山

震動観測(Seismic Observation)

Observation Point: ADTB	月計 total	最大(起日) 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: ADTB(N37°38.05' E140°18.21' H1,320m)

遠望観測(Visual Observation)

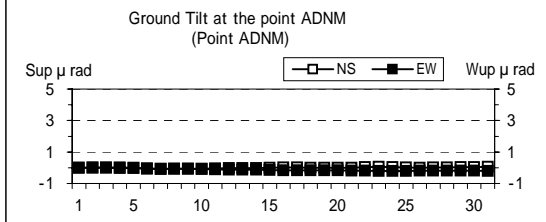
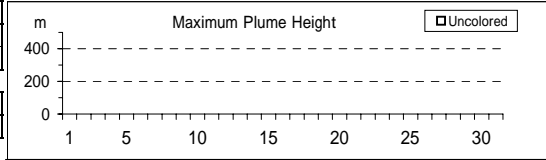
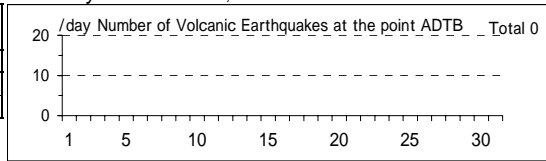
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from the Numanodaira - SW area.

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

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

Adatarayama: October, 2011



(19) 磐梯山

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	4	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: BND A (N37 35.04 E140 04.79 H1000m)

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 (23,30)

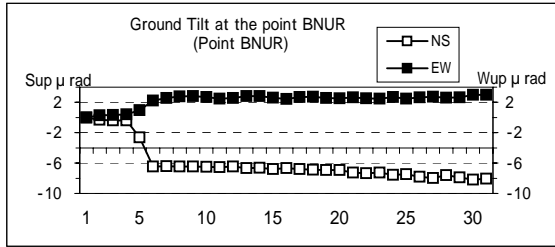
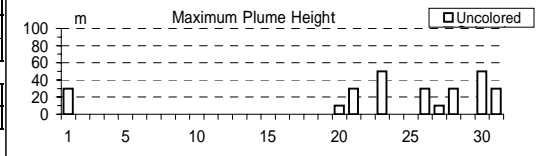
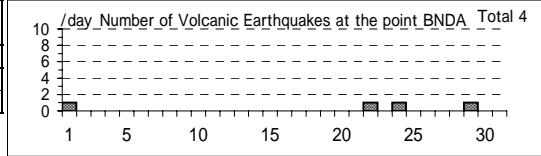
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from the Fumarolic area in Crater wall.

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

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

Bandaisan: October,2011



(20) 那須岳

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	1	1 (13)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: NSUA (N37 06.38' E139 59.44' 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)	200 (27)

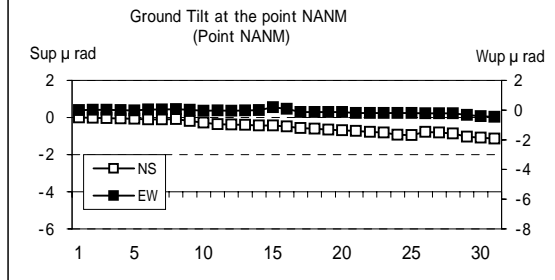
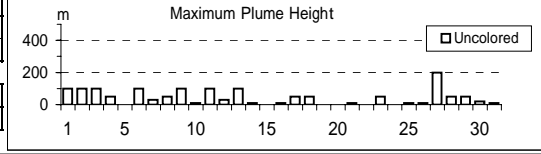
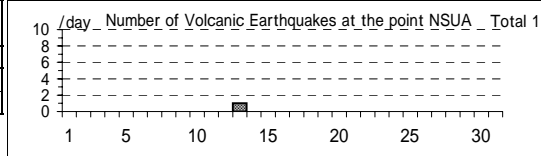
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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.

Nasudake: October,2011



(21) 日光白根山

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	11	4 (14)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: NSYG (N36 48.22' E139 24.46' H1,642m)

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)	-

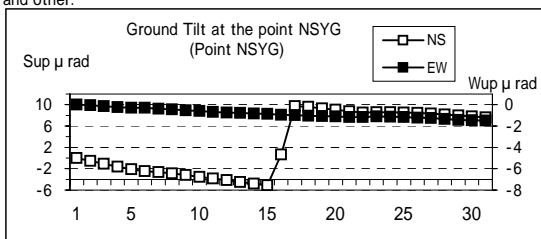
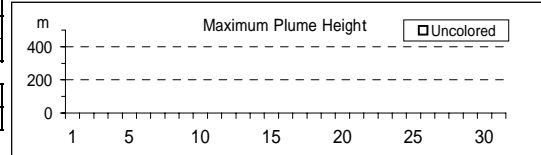
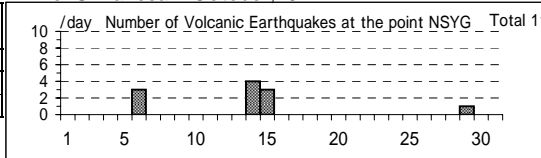
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from Summit Area of Nikko-Shiranesan(Location A)

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

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

Nikko-Shiranesan: October,2011



(22)草津白根山

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
Observation Point: KSHA		
火山性地震回数(Number of volcanic earthquakes)	56	13 (6)
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°38.88' E138°32.73' H1,933m)

遠望観測(Visual Observation)

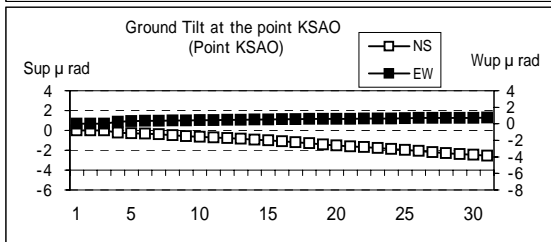
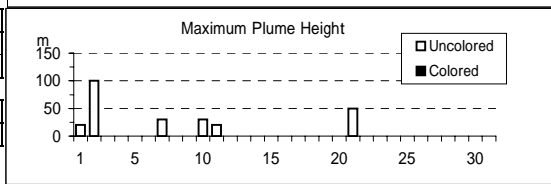
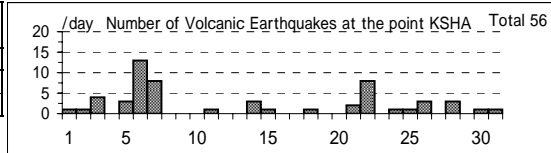
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	100 (2)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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.

Kusatsu-Shiranesan: October,2011



(23)浅間山

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
Observation Point: ASMB		
火山性地震回数(Number of volcanic earthquakes)	454	26 (8)
火山性微動回数(Number of volcanic tremors)	2	1 (3,5)
微動継続時間(Duration of volcanic tremors) (min.)	3	2 (5)

Note: ASMB (N36°23.37' E138°31.13' H1,864m)

遠望観測(Visual Observation)

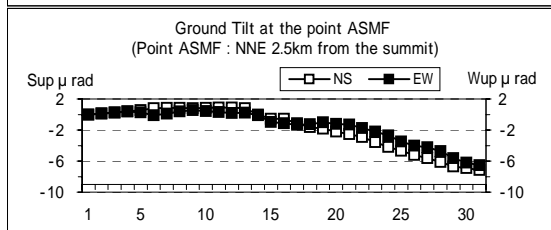
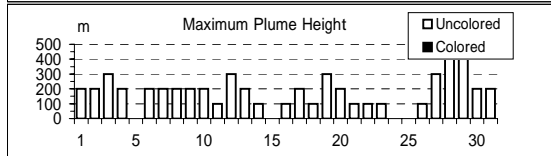
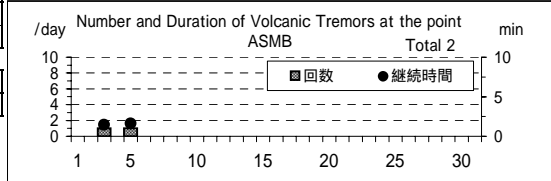
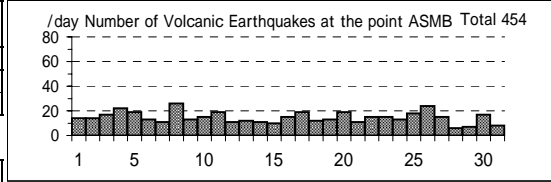
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	2 (abbr.)
噴煙の高さ(Height of plumes) (m)	400 (28,29)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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.

Asamayama: October,2011





(24)新潟焼山

震動観測(Seismic Observation)	月計 total	最大(起日) max (date)
Observation Point: NYK2		
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: NYK2 (N36°57.35' E138°02.29' 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 (23)

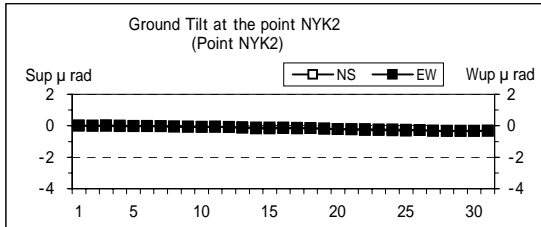
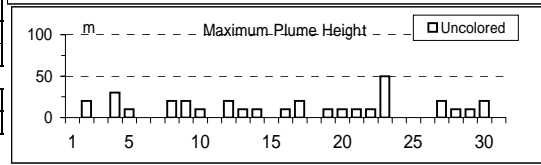
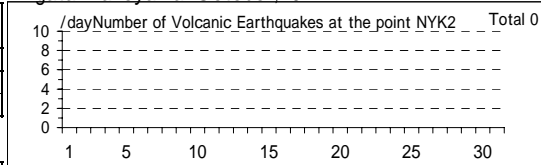
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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

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

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

Niigata-Yakeyama: October.2011

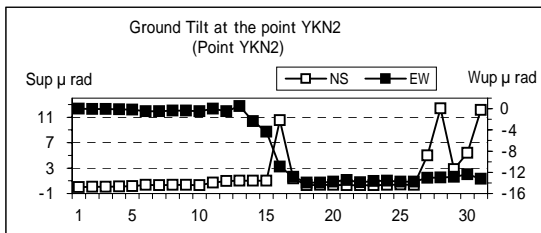
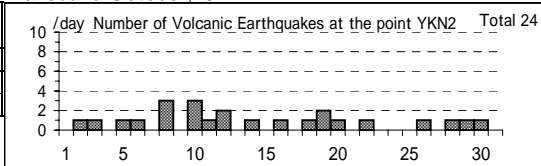


(25)焼岳

震動観測(Seismic Observation)	月計 total	最大(起日) max (date)
Observation Point: YKN2		
火山性地震回数(Number of volcanic earthquakes)	24	3 (8,10)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: YKN2 (N36°15.67' E137°34.45' H1,151m)

Yakedake October.2011

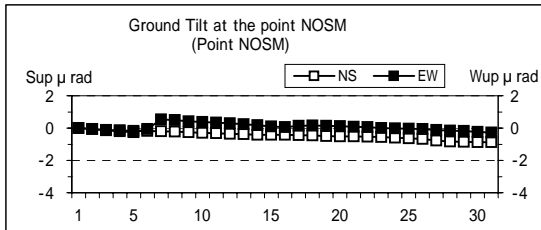
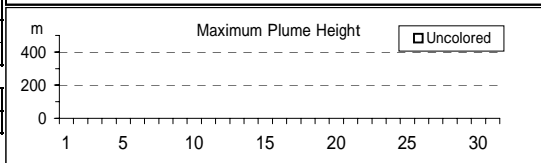
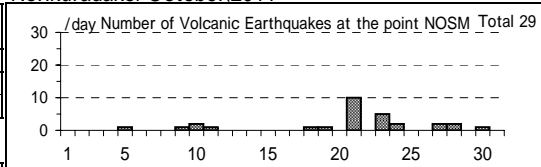


(26)乗鞍岳

震動観測(Seismic Observation)	月計 total	最大(起日) max (date)
Observation Point: NOSM		
火山性地震回数(Number of volcanic earthquakes)	29	10 (21)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: NOSM (N36°06.85' E137°35.81' H1,804m)

Norikuradake: October.2011



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).

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

(27)御嶽山

震動観測(Seismic Observation)

Observation Point: ONTA	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	4	2 (4)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min)	-	-

Note: ONTA (N35°52.61' E137°29.73' 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)	100 (8,20)

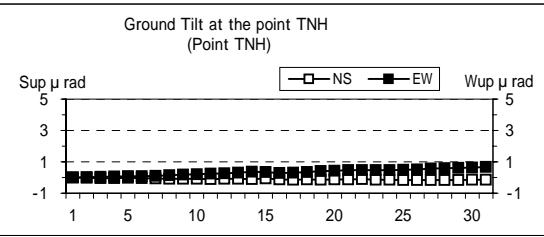
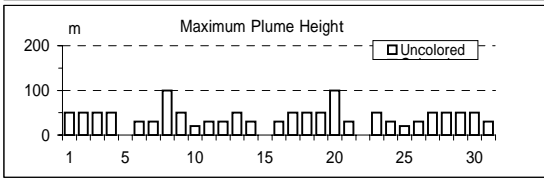
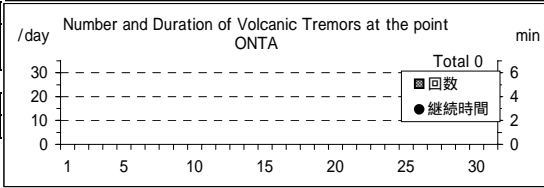
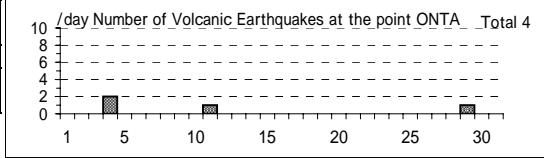
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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), Gray(G) and other.

Ontakesan: October,2011



(28)白山

震動観測(Seismic Observation)

Observation Point: HSMD	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	13	2 (3,23,29)
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°08.78' E136°45.86' H2,345m)

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)	-

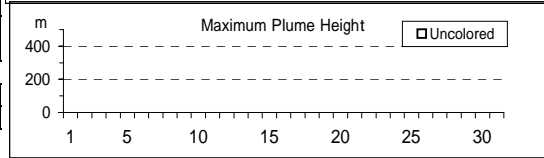
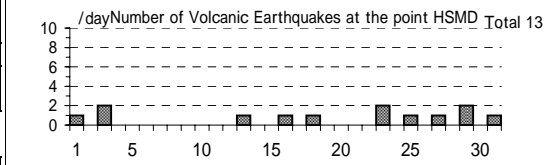
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

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

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

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

Hakusan: October,2011



(29)富士山

震動観測(Seismic Observation)

Observation Point: N.FJ5V-U(NIED)	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	82	8 (12,18)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min)	-	-

Note: N.FJ5V-U(NIED) (N35°23.08' E138°41.72' H2,090m)

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)	-

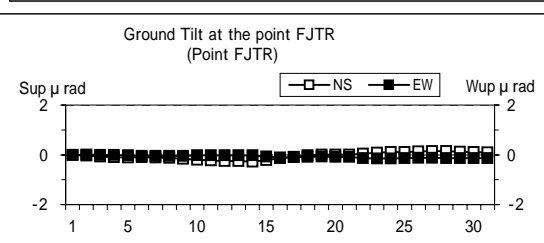
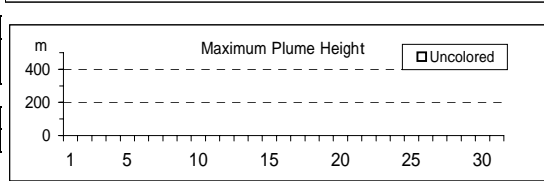
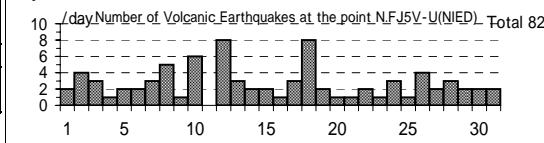
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from Summit Crater(LocationA),Hoei Crater(B)

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

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

Fujisan: October,2011



(30)箱根山

震動観測(Seismic Observation)

Observation Point: OK.KOM	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	2	1 (14,22)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: OK.KOM(N35°13.2' E139°02.0' H1,049m)

遠望観測(Visual Observation)

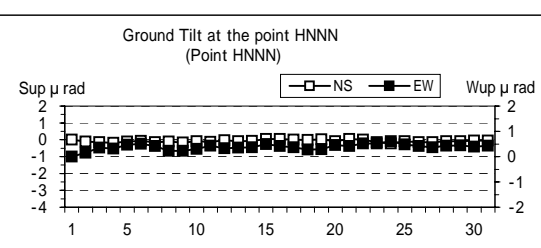
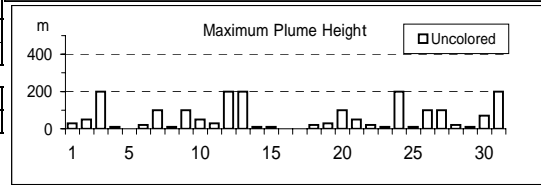
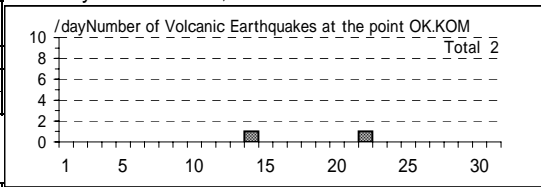
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	200 (abbr.)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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

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

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

Hakoneyama: October,2011



(31)伊豆東部火山群

震動観測(Seismic Observation)

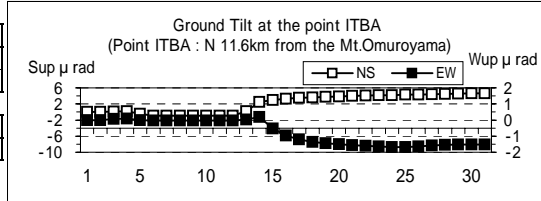
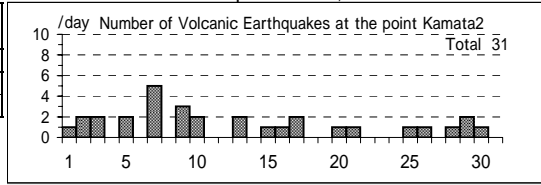
Observation Point: ITBA.Kamata2	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	31	5 (7)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: ITBA (N35°00.46' E139°05.87' H12m)  
Kamata2(N34°55.71' E139°03.65' H175m)

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)	-

Izu-Tobu Volcano Group: October,2011



(32)伊豆大島

震動観測(Seismic Observation)

Observation Point: OSMA	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	50	4 (abbr.)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min.)	-	-

Note: OSMA (N34°44.16' E139°23.21' H553m)

遠望観測(Visual Observation)

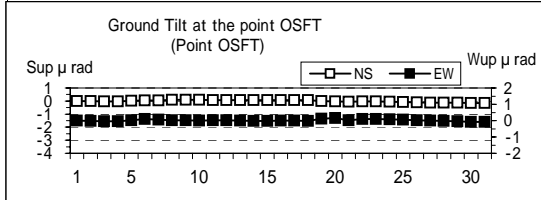
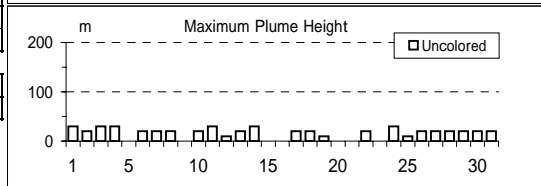
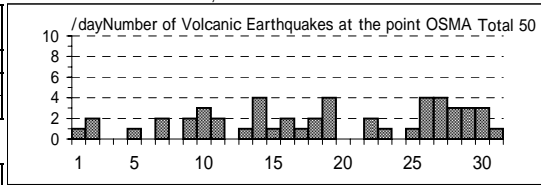
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	30 (abbr.)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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.

Izu-Oshima: October,2011



(33)新島

震動観測(Seismic Observation)

Observation Point: NIST	月計 total	最大(起日) 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: NIST (N34 21.76' E139 14.92' H41m)

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)	-

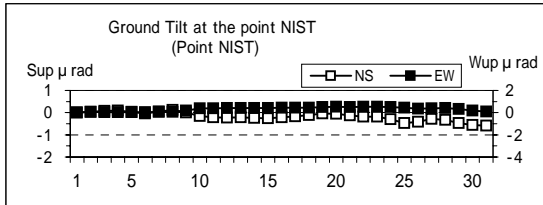
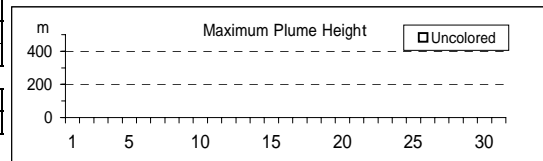
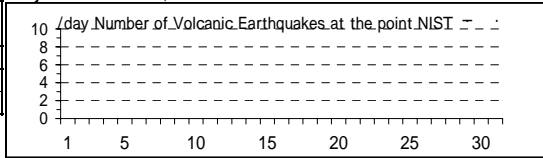
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

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

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

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

Niijima: October,2011



(34)神津島

震動観測(Seismic Observation)

Observation Point: KOTJ	月計 total	最大(起日) 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 13.24' E139 08.91' 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)	-

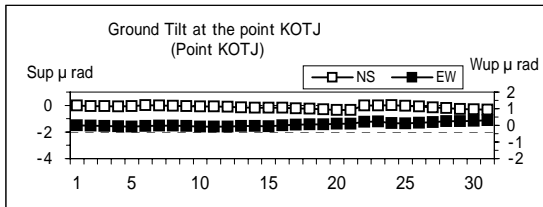
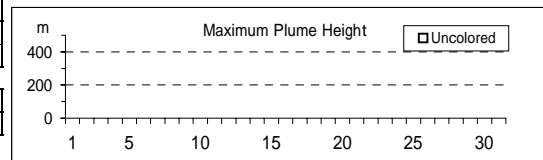
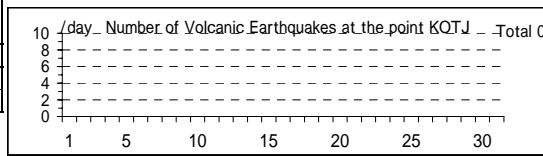
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

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.

Kozushima: October,2011



(35)三宅島

震動観測(Seismic Observation)

Observation Point: MKJA	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	96	8 (23)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min)	-	-

Note: MKJA (N34 06.00' E139 31.92' H473m)

遠望観測(Visual Observation)

	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	3 (14)
噴煙の高さ(Height of plumes) (m)	500 (13)

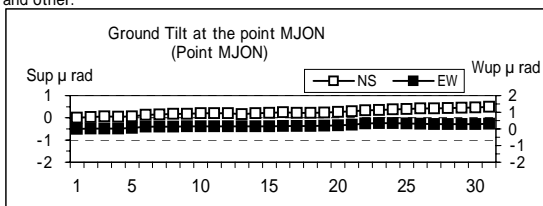
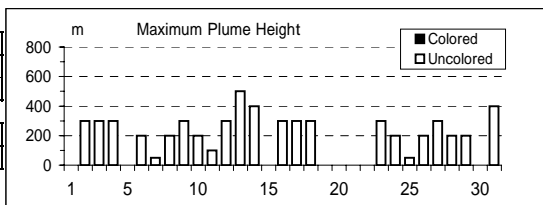
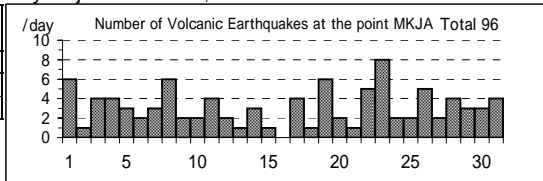
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from the Summit Crater.

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

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

Miyakejima: October,2011



(36)八丈島

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
Observation Point: HACHJ3		
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 06.3 E139 47.1 H ? m)

遠望観測(Visual Observation)

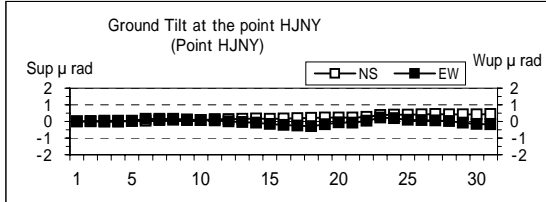
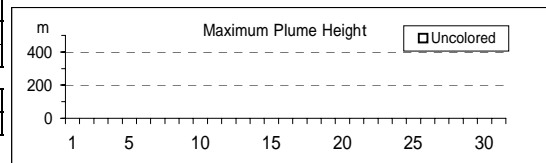
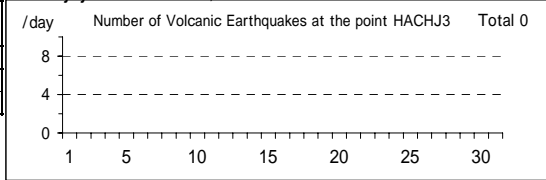
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from Nishiyama Crater(Location A)

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

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

Hachijojima: October,2011



(37)青ヶ島

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
Observation Point: AOMT		
火山性地震回数(Number of volcanic earthquakes)	4	2 (25)
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 28.02' E139 45.64' H273m)

遠望観測(Visual Observation)

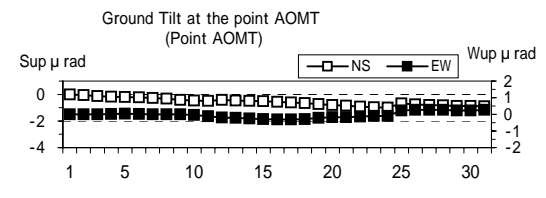
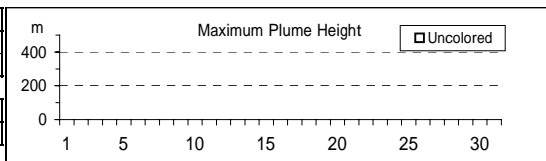
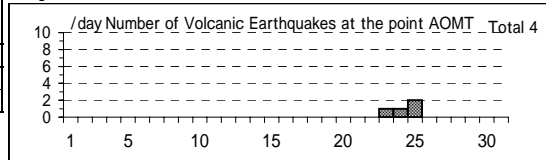
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from Western flank of Maruyama(Location A)

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

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

Aogashima: October,2011



(38)硫黄島

遠望観測(Visual Observation)

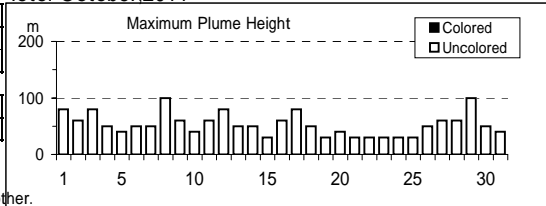
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (abbr.)
噴煙の高さ(Height of plumes) (m)	100 (8.29)
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from Asodaikanbotsuko (Location A)and/or Idogahama (Location B)

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

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

Ioto: October,2011



(39)鶴見岳・伽藍岳

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
Observation Point: TGBP		
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: TGBP (N33 19.53' E131 27.07' H460m)

遠望観測(Visual Observation)

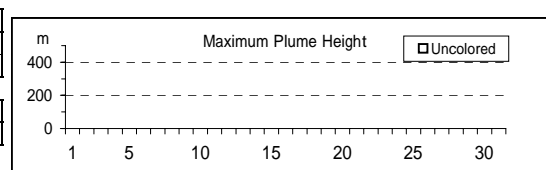
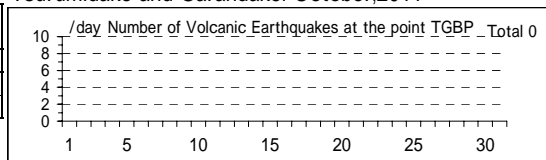
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-
噴煙の色(Color of plumes)	-
他の火山現象(Other volcanic phenomena)	-

Note: Plumes were from RegionA and/or RegionB.

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

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

Tsurumidake and Garandake: October,2011



(40)九重山

震動観測(Seismic Observation) Observation Point: KJA2	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	12	5 (25)
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°06.20' E131°13.78' H1,282m)

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 (11,31)

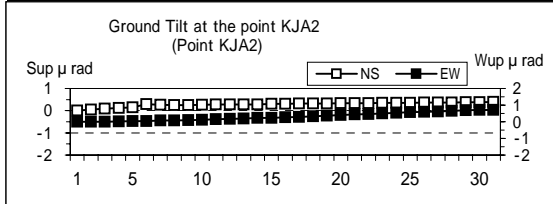
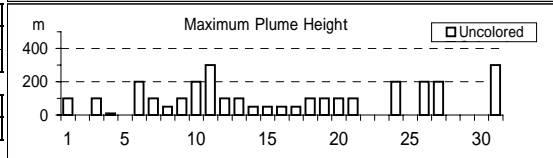
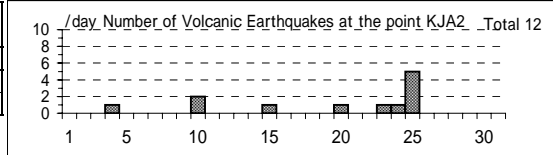
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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.

Kujusan: October,2011



(41)阿蘇山

震動観測(Seismic Observation) Observation Point: ASOA	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	42	4 (15)
孤立型火山性微動回数 (Number of isolated volcanic tremors)	16	4 (5)

Note: ASOA (N32°53.10' E131°04.65' H1,163m)

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 (abbr.)

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

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

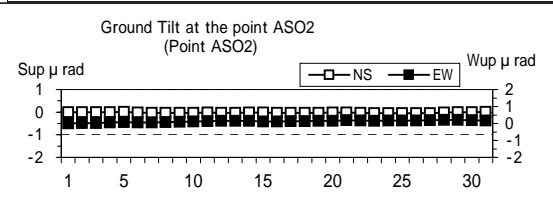
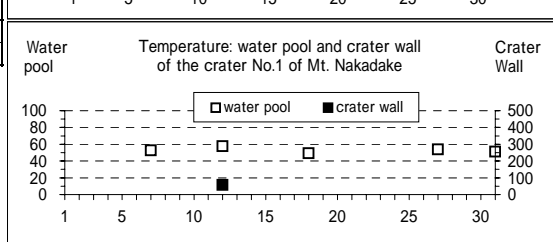
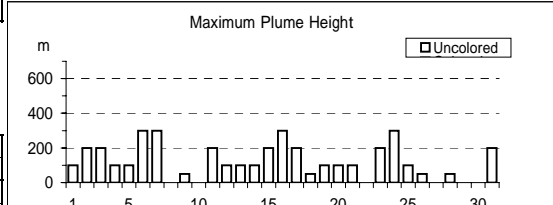
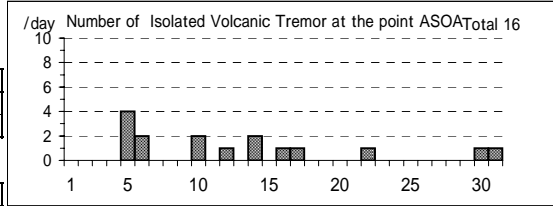
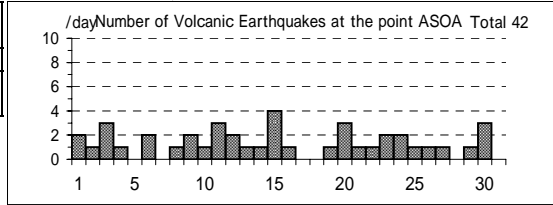
Note: Uncolored:Plume color was White(W).

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 temperature on the water pool in the crater) ( )	58 (12)
火口壁の表面温度 (Surface temperature on the crater wall) ( )	49 (18)
火口壁の表面温度 (Surface temperature on the crater wall) ( )	56 (12)
火口壁の表面温度 (Surface temperature on the crater wall) ( )	56 (12)

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

Asosan: October,2011



(42)雲仙岳

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	8	2 (18)
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°44.10' E130°16.05' H769m)

遠望観測(Visual Observation)

	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	1 (8,20,24)
噴煙の高さ(Height of plumes) (m)	20 (8,20,24)

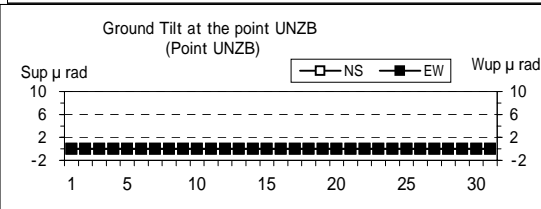
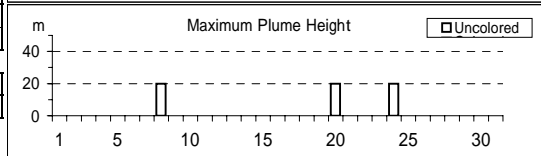
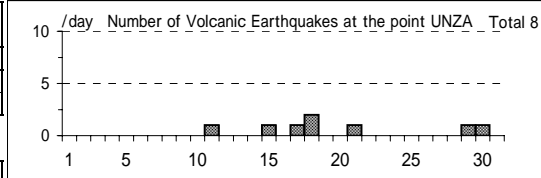
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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), Gray(G) and other.

Unzendake: October,2011



(43)霧島山

新燃岳 (Shinmoedake)

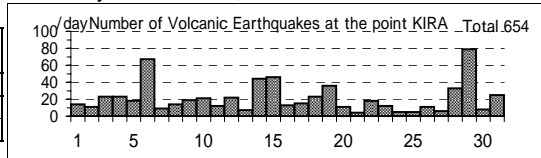
震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	654	79 (29)
火山性微動回数(Number of volcanic tremors)	2	1 (19,22)
微動継続時間(Duration of volcanic tremors) (min)	1	1 (19)

Note: KIRA (N31°54.00' E130°52.27' H1,035m)

\*Volcanic earthquake, tremor and duration of tremor is counted by the alternative station (Shinmoe-nishi;ERI), due to the instrumental failure at KIRA after June 16, 2011.

Kirishimayama: October,2011



遠望観測(Visual Observation)

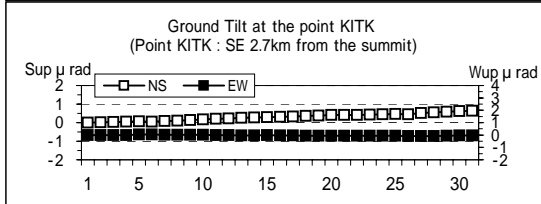
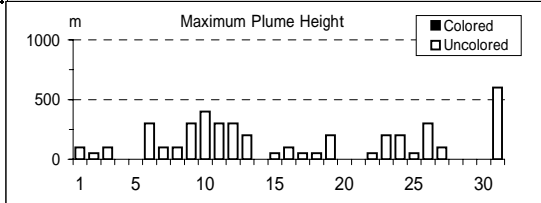
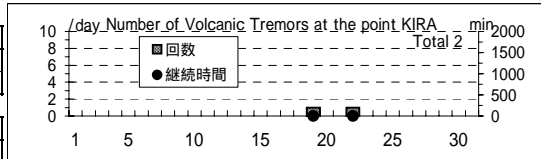
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	2 (31)
噴煙の高さ(Height of plumes) (m)	600 (31)

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

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.

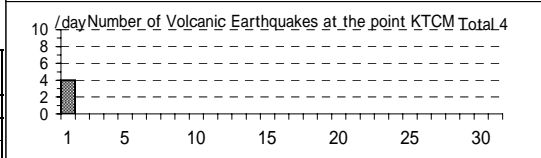


御鉢(Ohachi)

震動観測(Seismic Observation)

	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	4	4 (1)
火山性微動回数(Number of volcanic tremors)	-	-
微動継続時間(Duration of volcanic tremors) (min)	-	-

Note: KTCM (N31°53.17' E130°55.18' H1,540m)



遠望観測(Visual Observation)

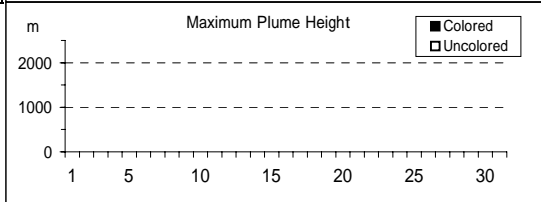
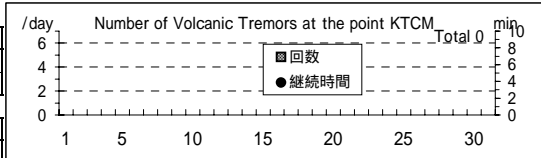
	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	-
噴煙の高さ(Height of plumes) (m)	-

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).

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



(44)桜島

震動観測(Seismic Observation)

Observation Point: SKRB	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	489	32 (6)
火山性微動回数(Number of volcanic tremors)	410	55 (1)
微動継続時間(Duration of volcanic tremors) (min)	8702	977 (25)

Note: SKRB (N31°35.62' E130°38.35' H455m)

遠望観測(Visual Observation)

	月計 total	最大(起日) max (date)
爆発回数(Number of explosive eruptions)	91	10 (6)
降灰量(Amount of ash fall) (g/m <sup>2</sup> )	114	24 (28)

A,B火口 (A,B crater)

	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 (16)

昭和火口 (Showa crater)

	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	4 (abbr.)
噴煙の高さ(Height of plumes) (m)	2500 (13.26)

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

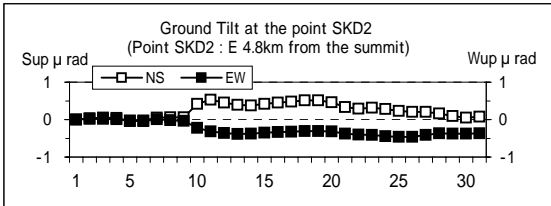
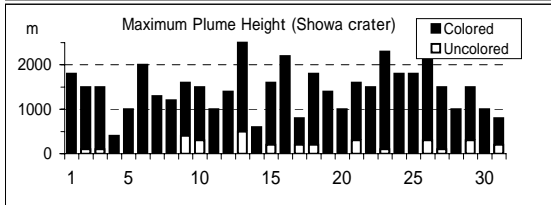
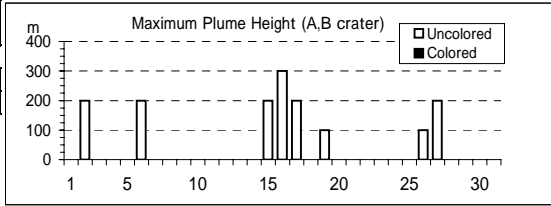
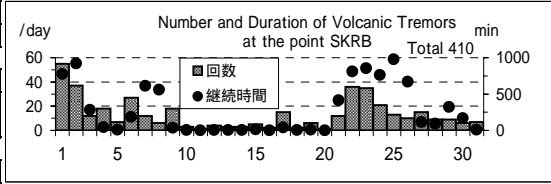
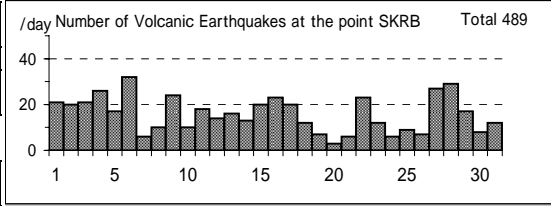
Note: Plumes were from Mt. Minamidake A Crater(A), B Crater(B) and Showa Crater(S)

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,2011



(45)薩摩硫黄島

震動観測(Seismic Observation)

Observation Point: ST11	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	169	10 (12)
火山性微動回数(Number of volcanic tremors)	2	1 (4,5)
微動継続時間(Duration of volcanic tremors) (min)	0.6	0.4 (5)

Note: ST11 (N30°47.26' E130°18.12' H380m)

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 (8,18,31)

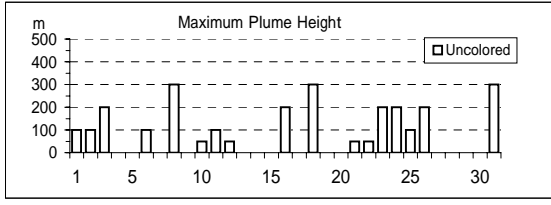
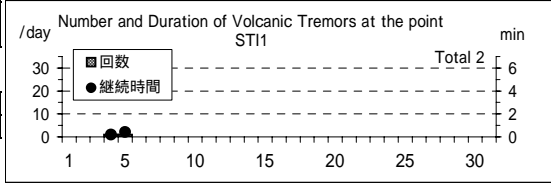
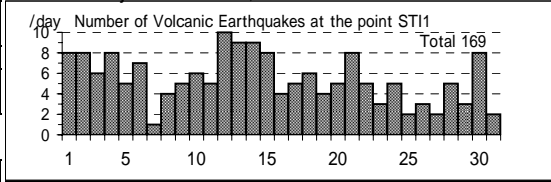
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	Gl

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.

Satsuma-lojima: October,2011





(46)口永良部島

震動観測(Seismic Observation)

Observation Point: KER1	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	49	9 (8)
火山性微動回数(Number of volcanic tremors)	79	10 (22)
微動継続時間(Duration of volcanic tremors) (min)	52	6 (18)

Note: KER1 (N30°26.94' E130°12.86' H570m)

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)	400 (10)

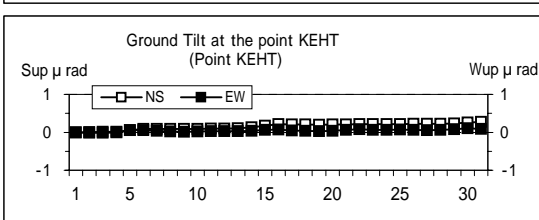
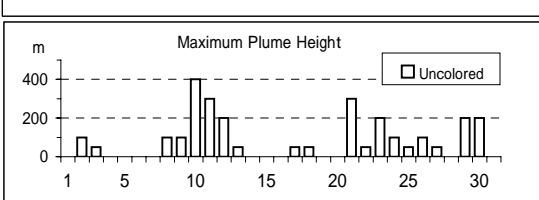
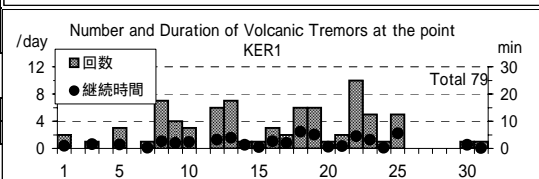
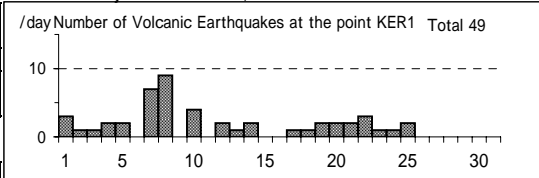
噴煙の色(Color of plumes)	W
他の火山現象(Other volcanic phenomena)	-

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.

Kuchierabujima: October,2011



(47)諏訪之瀬島

震動観測(Seismic Observation)

Observation Point: SWA1	月計 total	最大(起日) max (date)
火山性地震回数(Number of volcanic earthquakes)	90	11 (4)
火山性微動回数(Number of volcanic tremors)	5	1 (abbr.)
微動継続時間(Duration of volcanic tremors) (min)	12	6 (21)

Note: SWA1 (N29°37.73' E129°42.27' 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 total	最大(起日) max (date)
爆発回数(Number of explosive eruptions)	-	-

	最大(起日) max (date)
噴煙量(Quantity of plumes) (JMA's scale)	2 (13)
噴煙の高さ(Height of plumes) (m)	600 (13)

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

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.

Suwanosejima: October,2011

