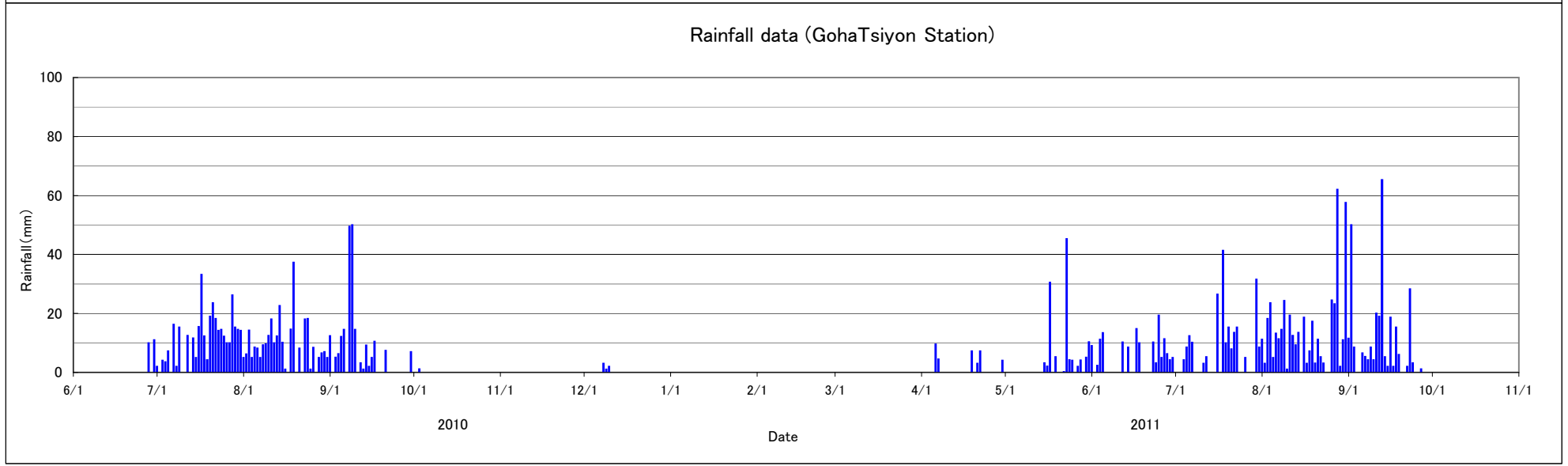
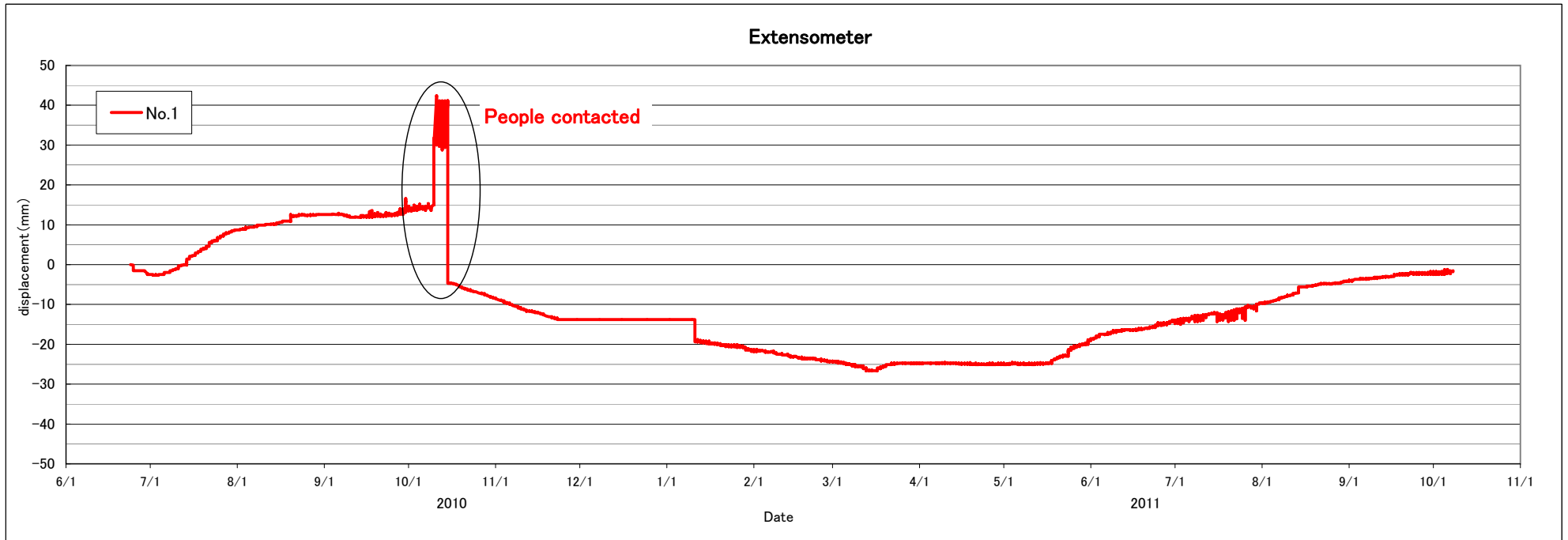
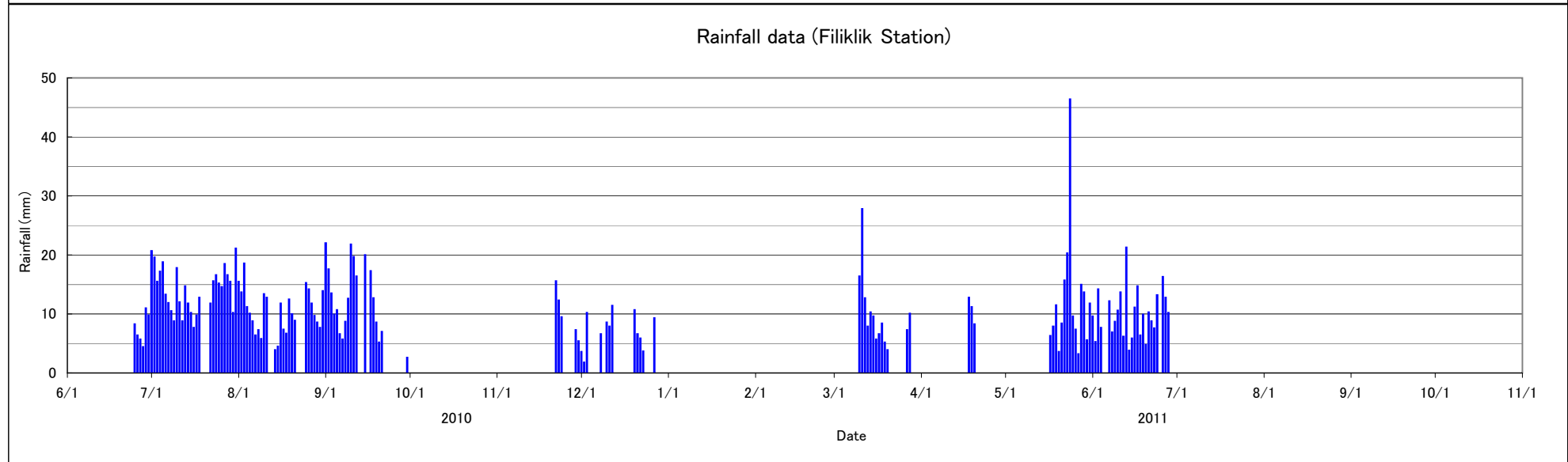
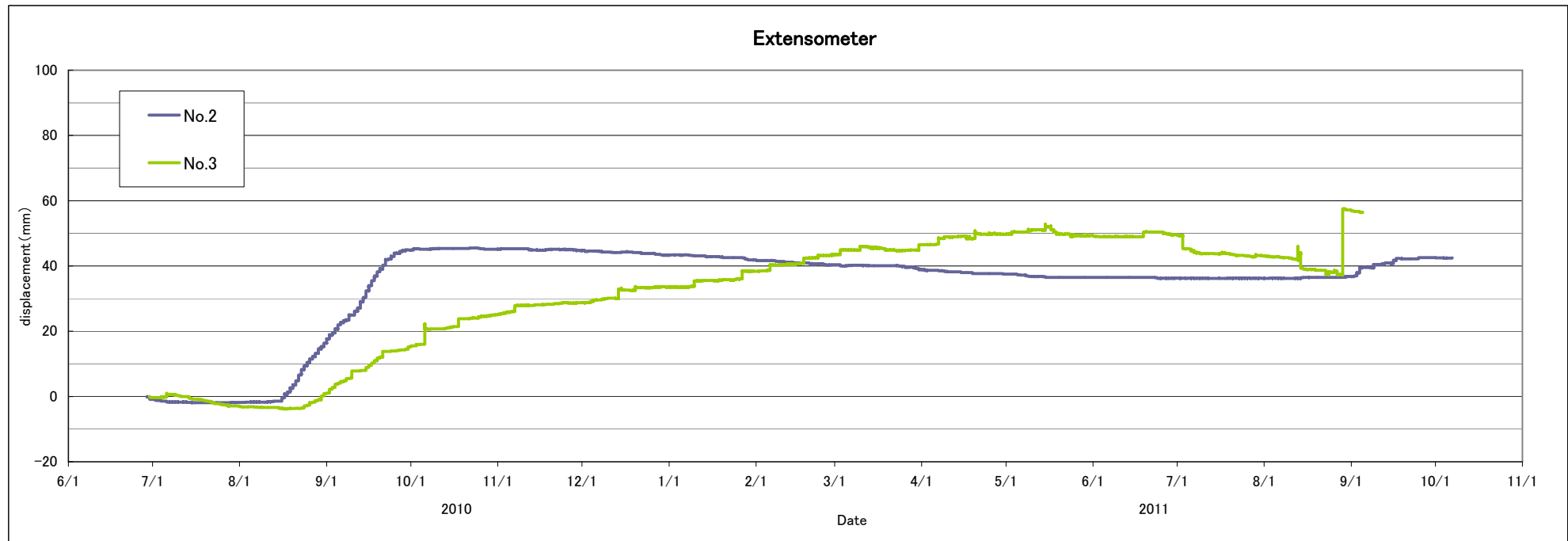
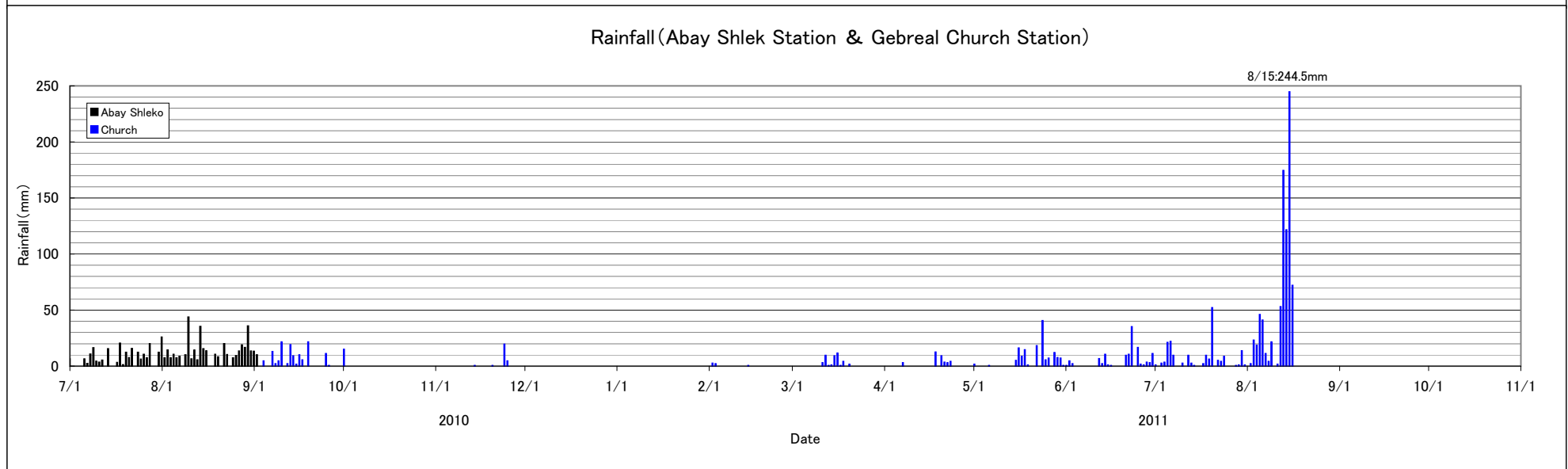
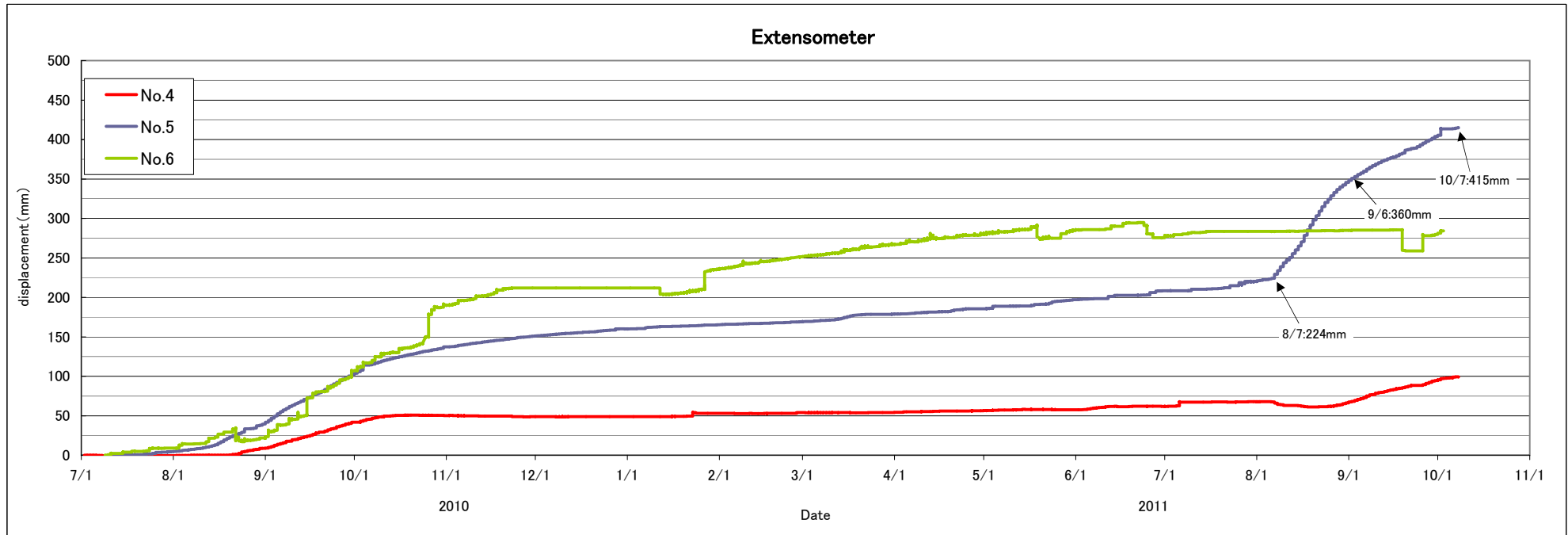


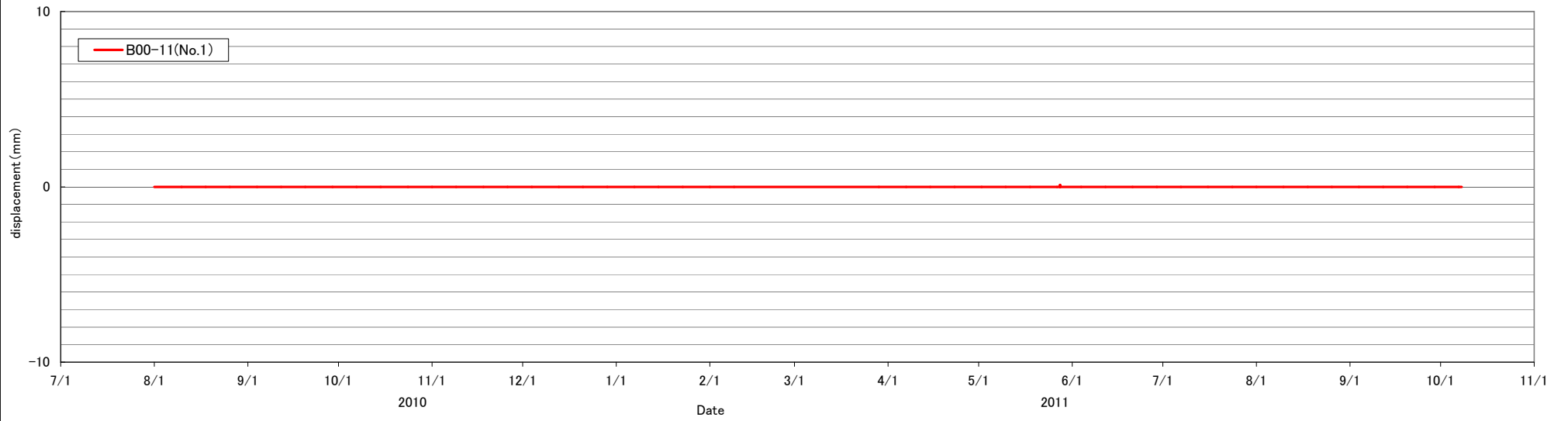
12. Monitoring result



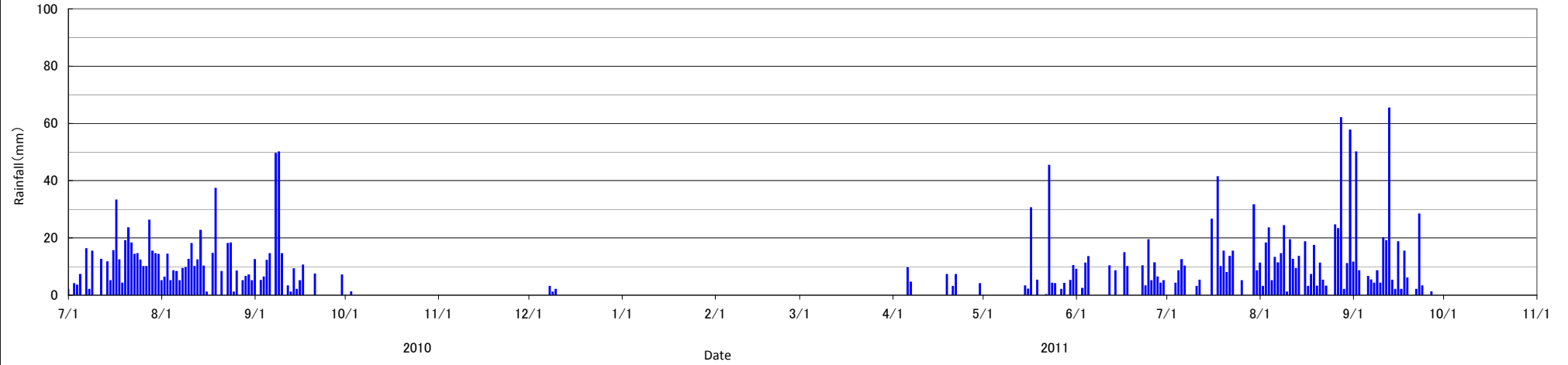




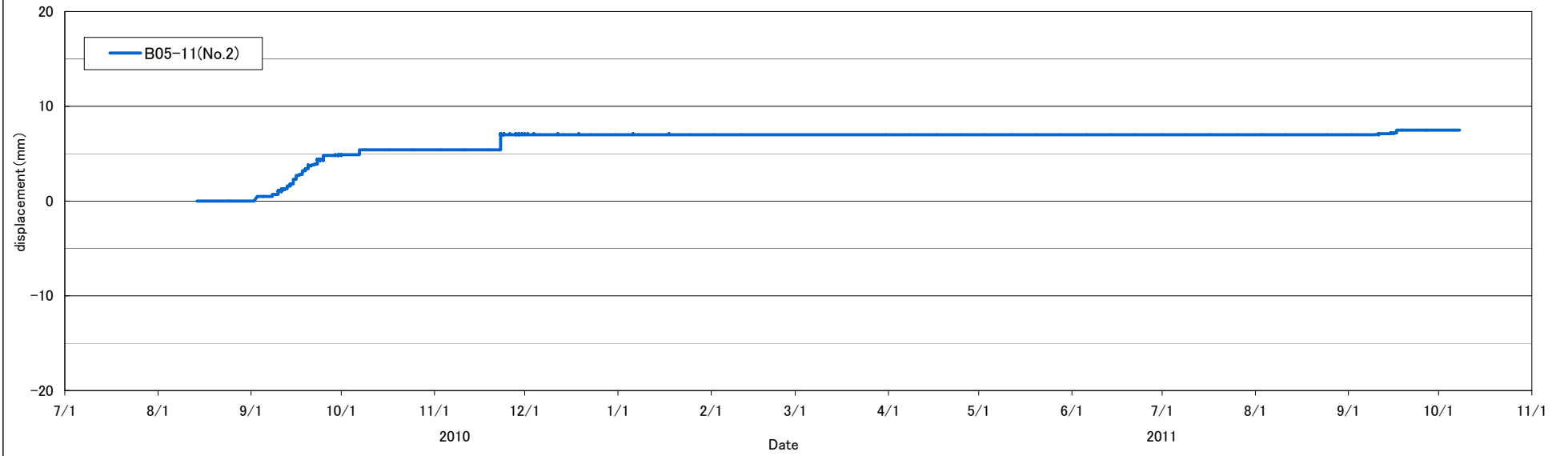
Borehole extensometer



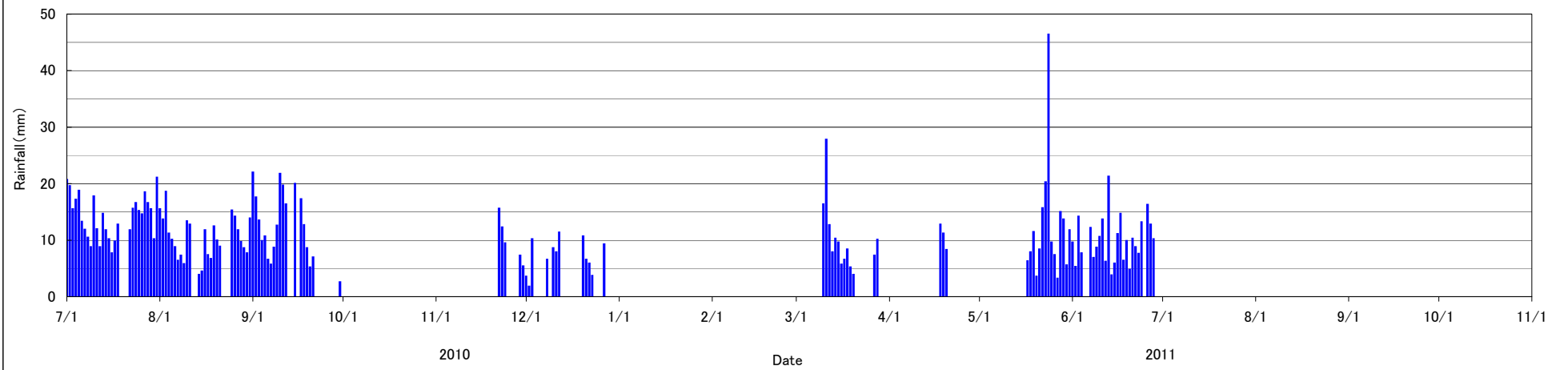
Rainfall data (GohaTsiyon station)

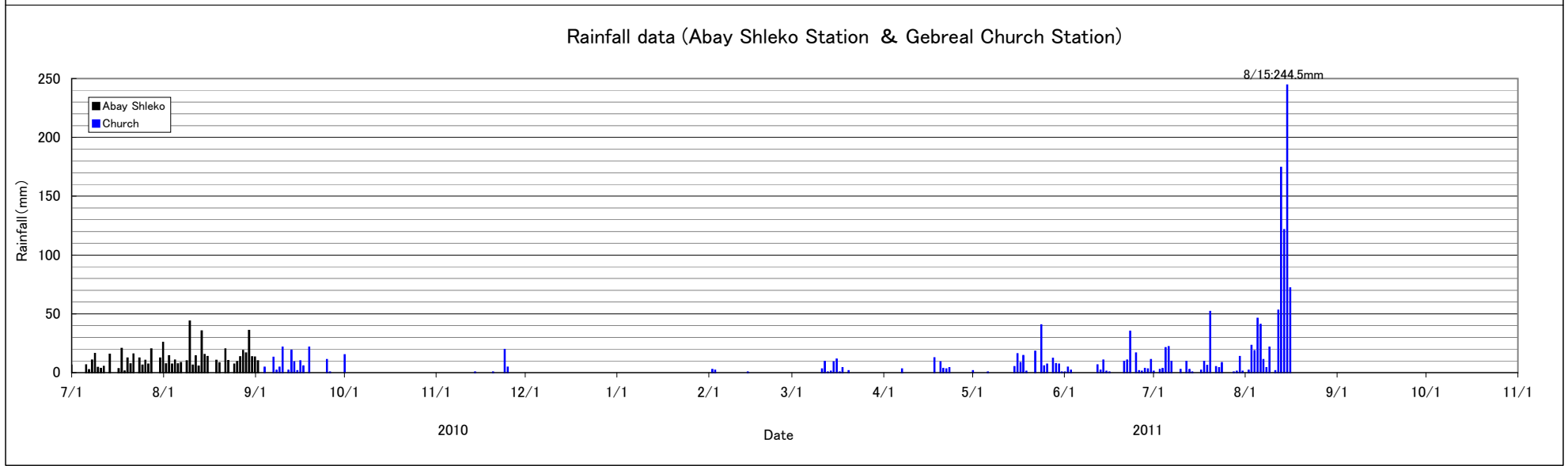
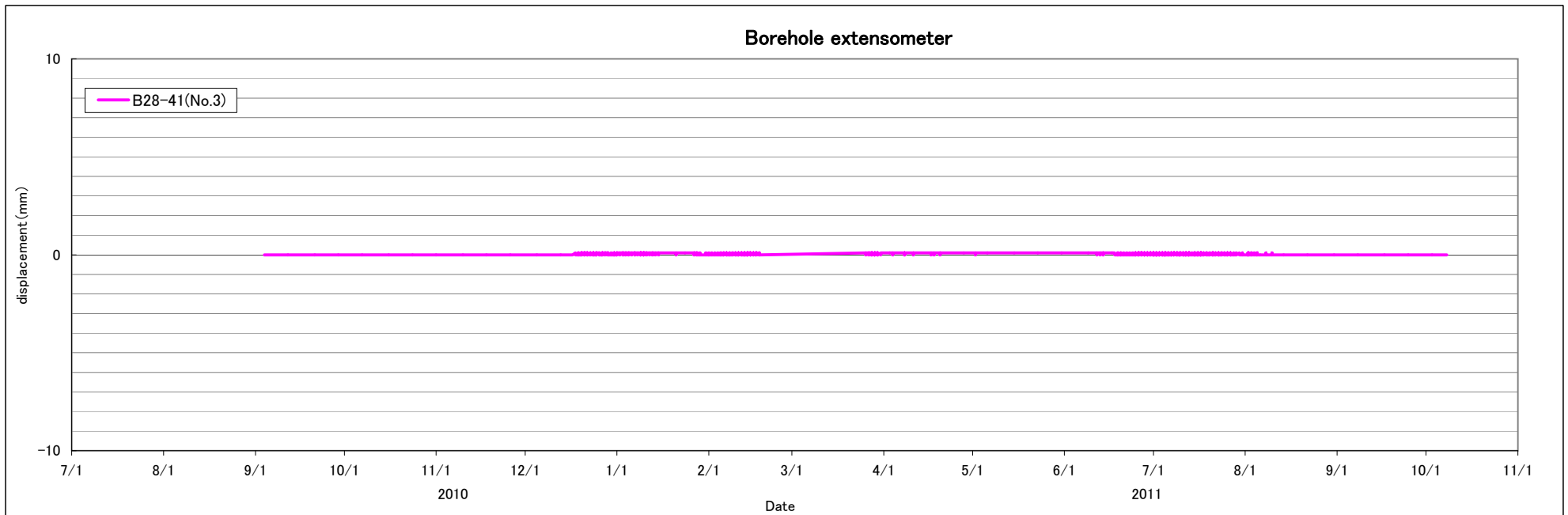


Borehole extensometer

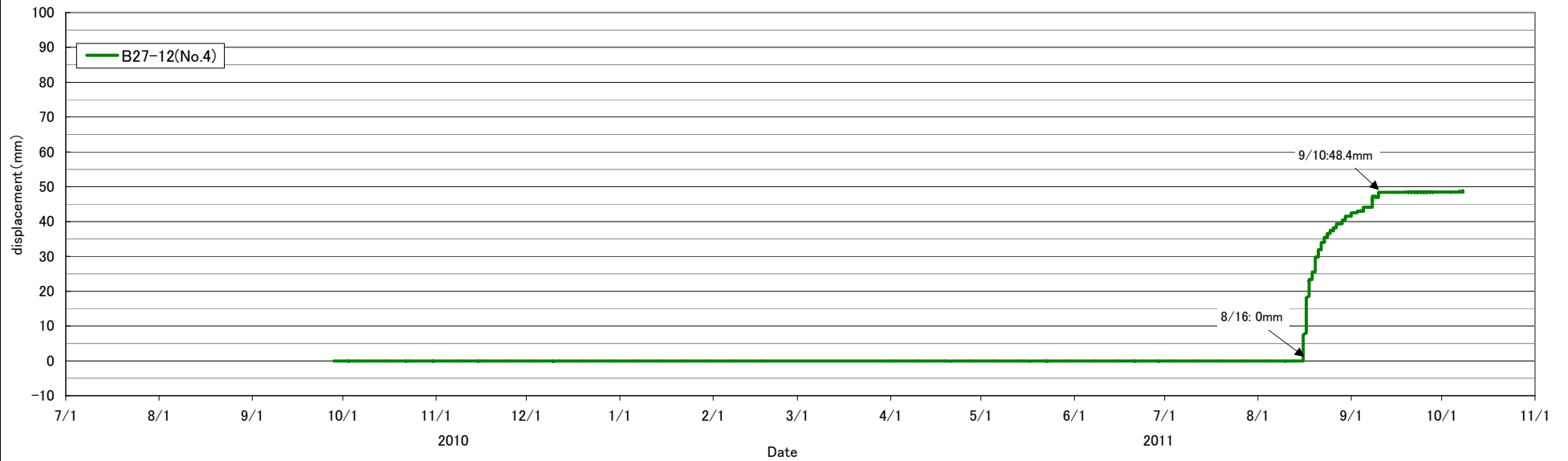


Rainfall data (Filiklik station)

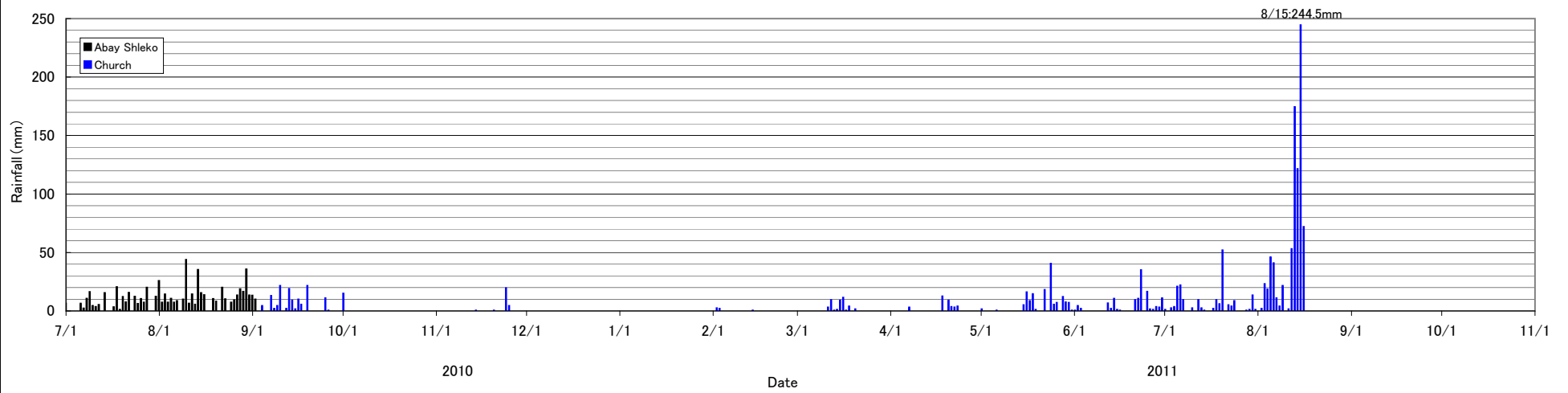




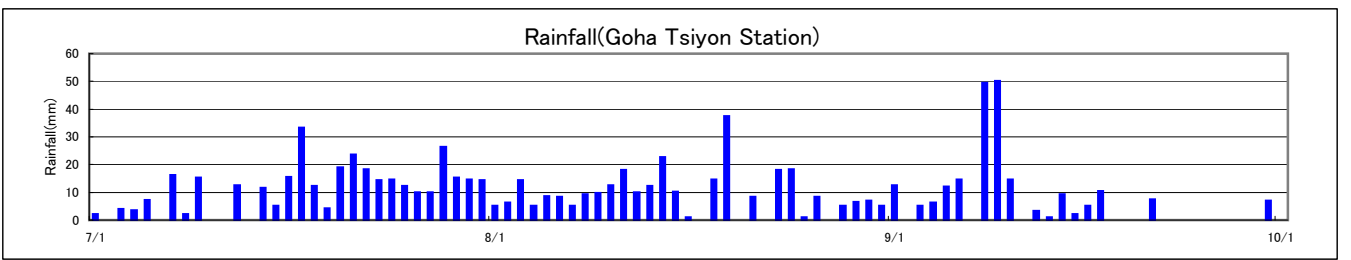
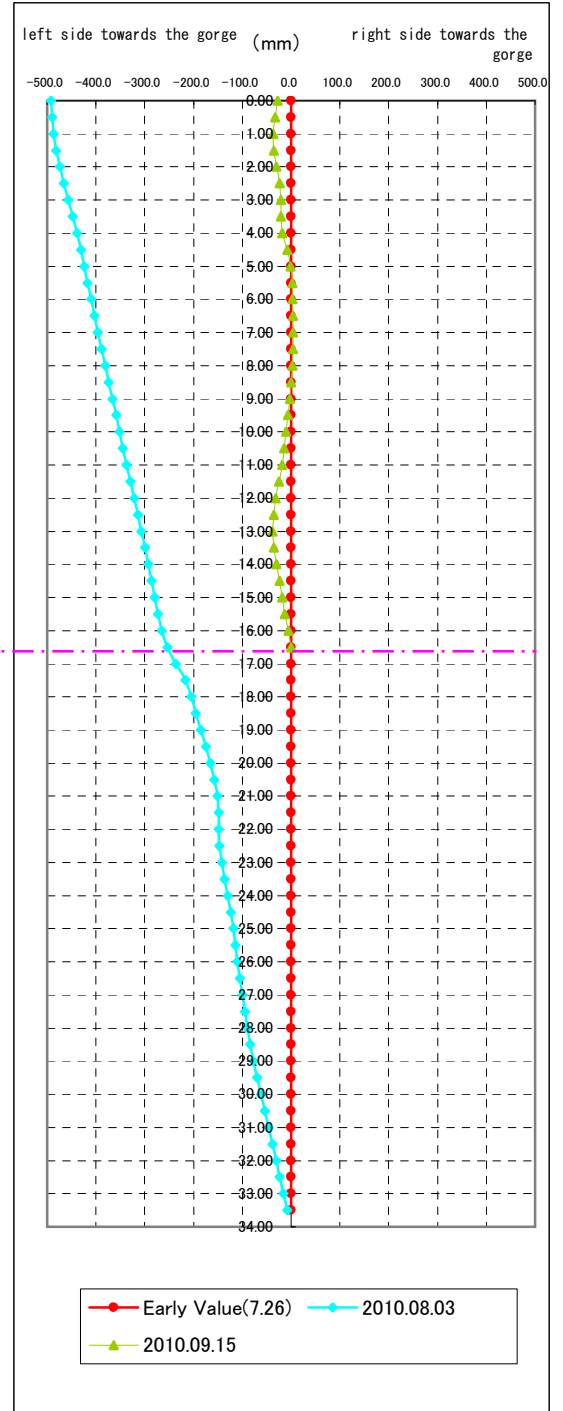
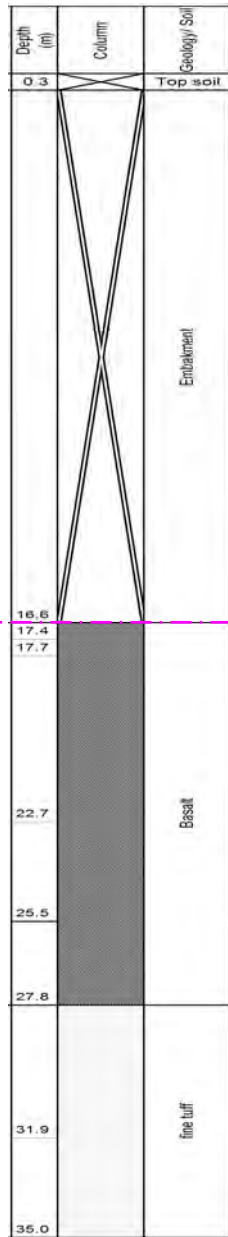
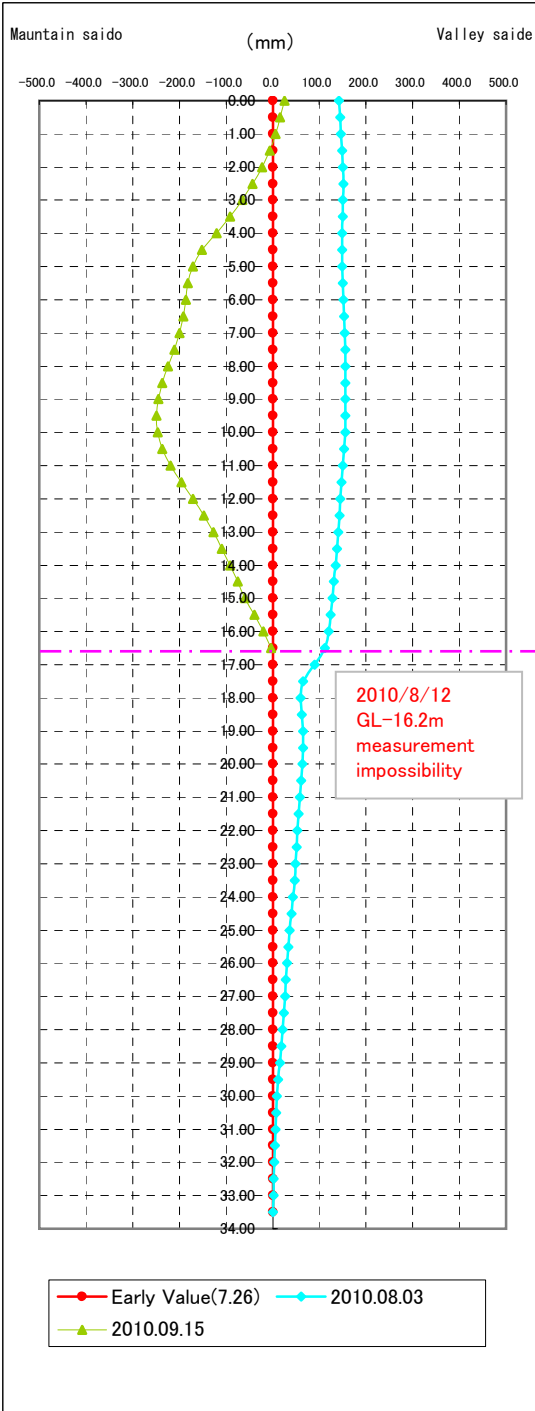
Borehole extensometer



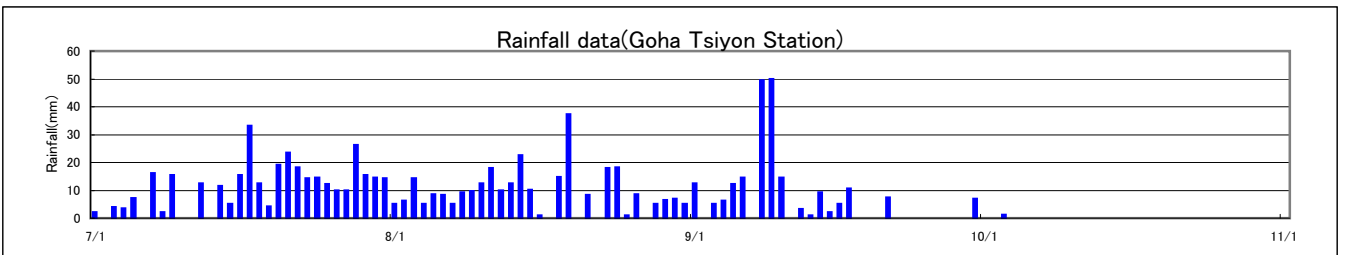
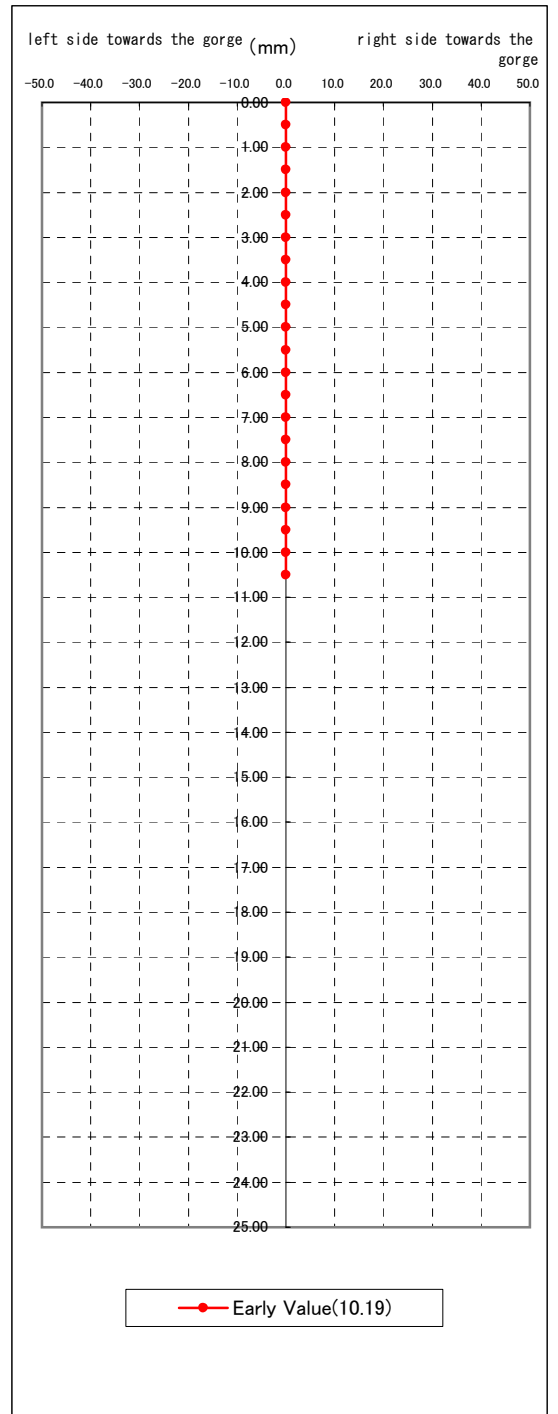
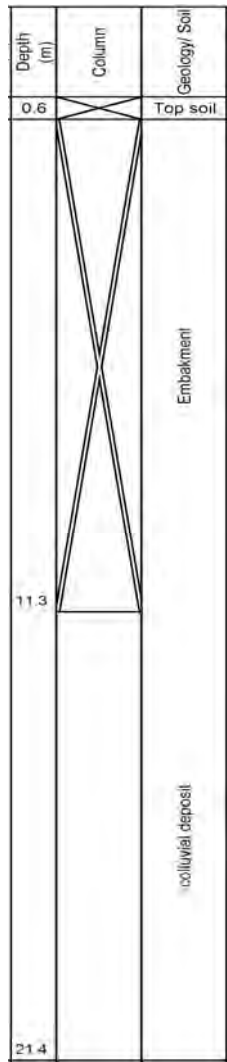
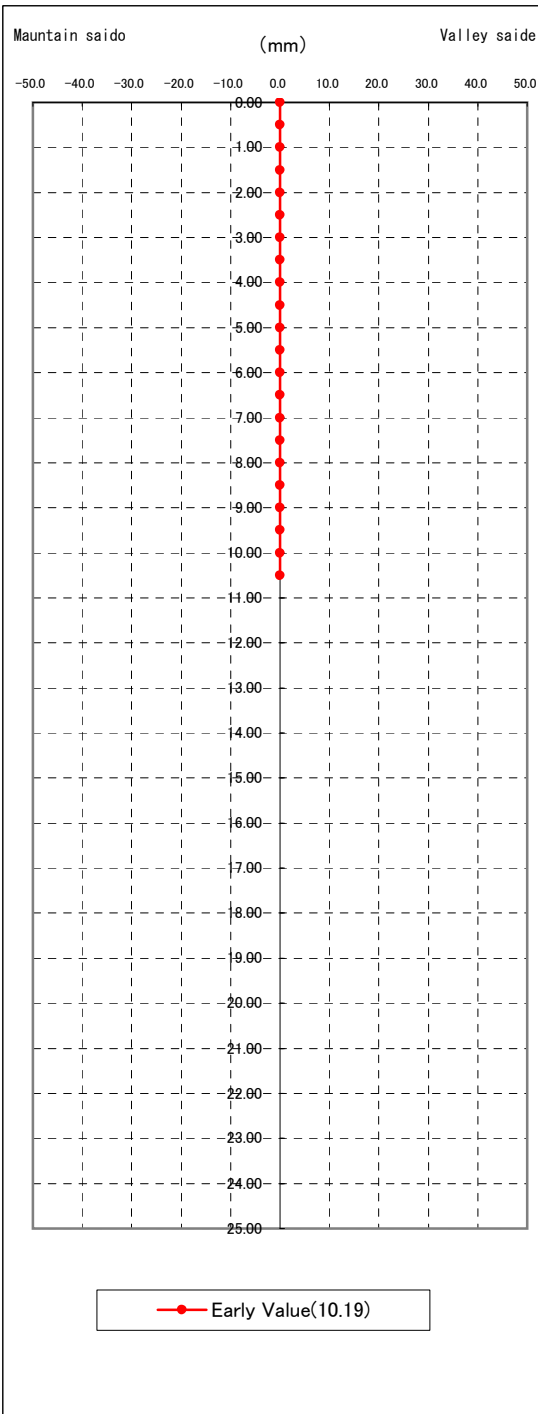
Rainfall data (Abay Shleko Station & Gebreal Church Station)



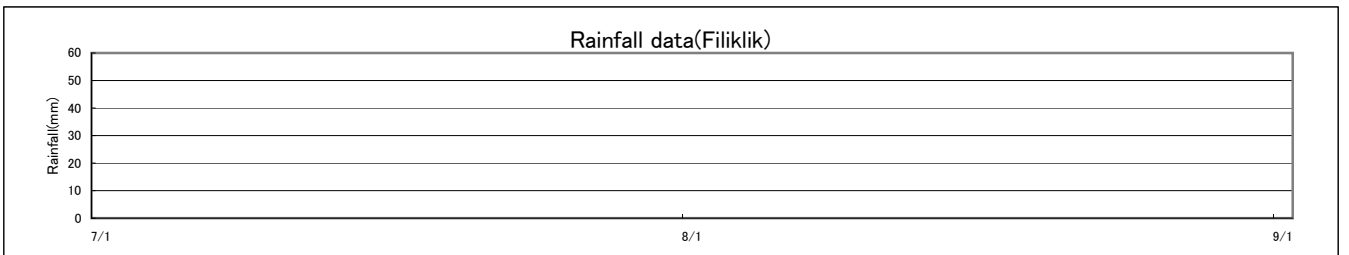
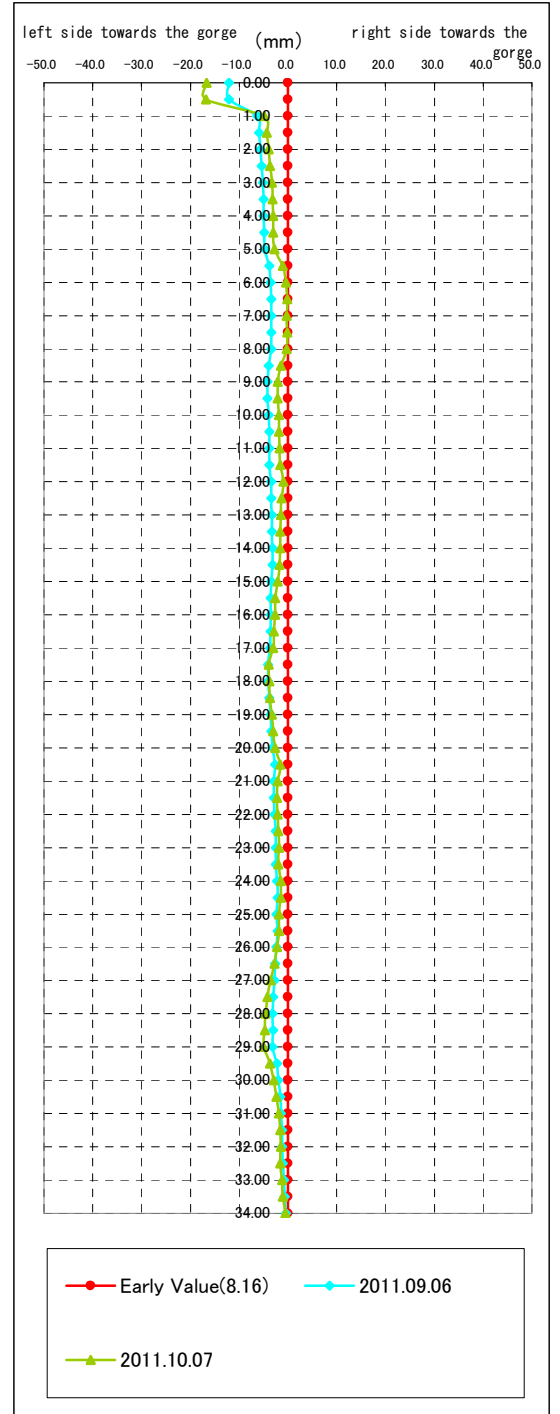
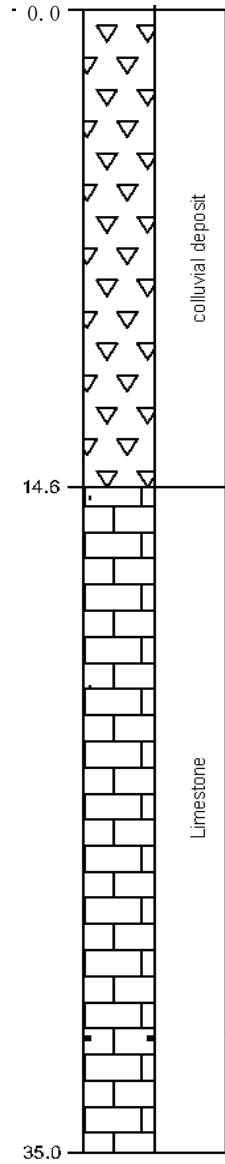
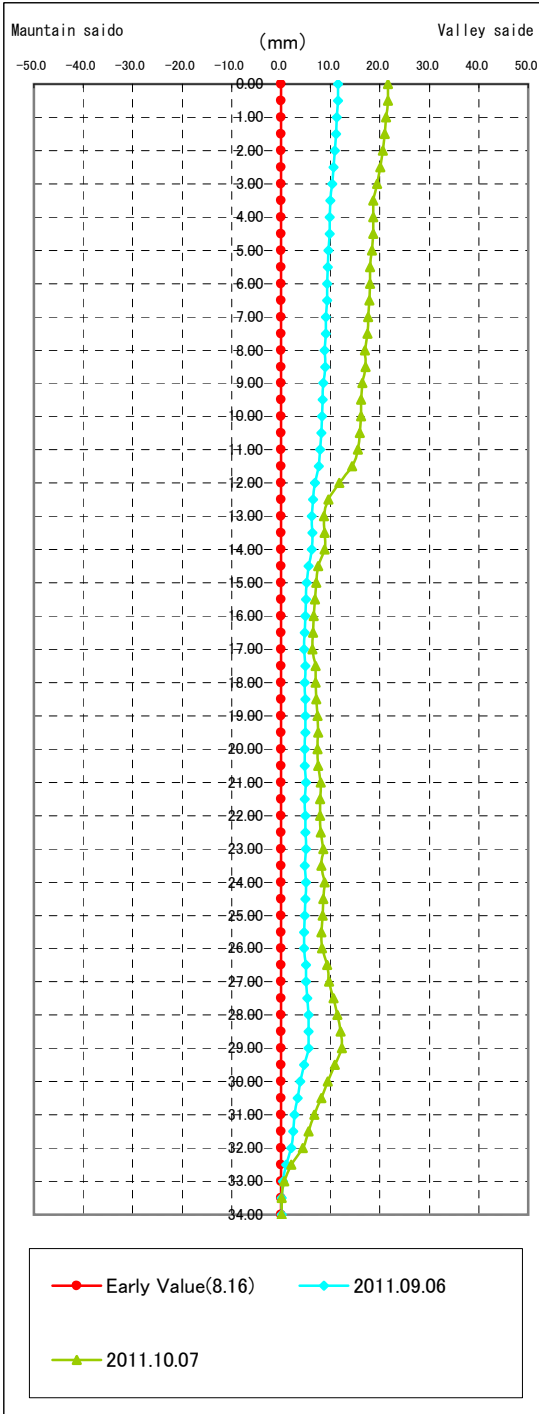
B00-12



B00-22

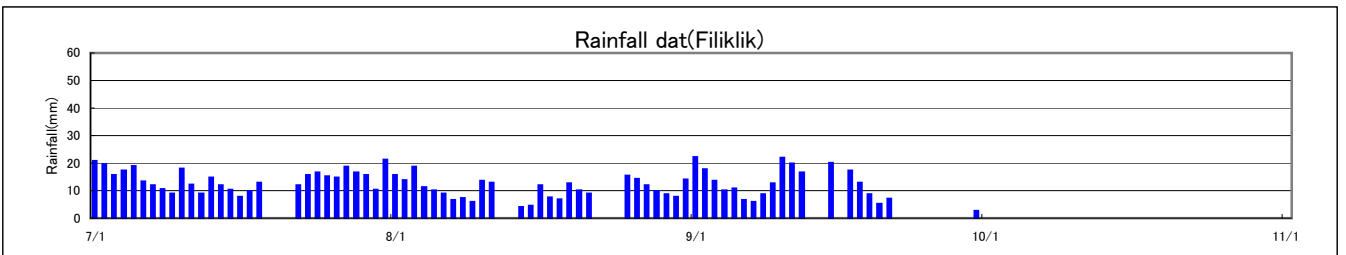
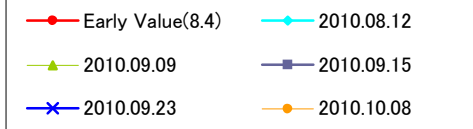
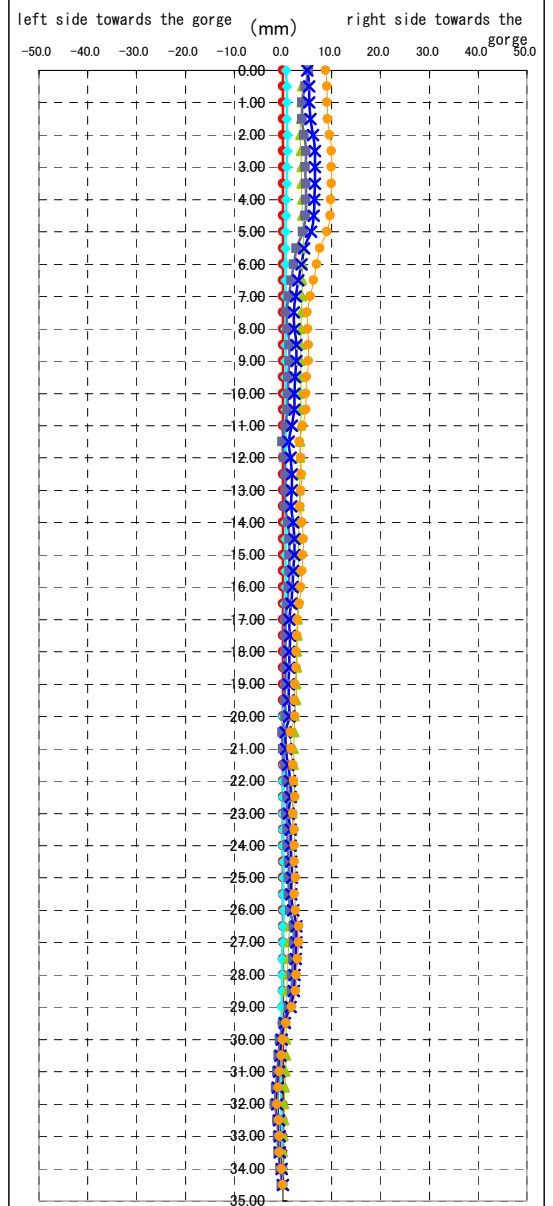
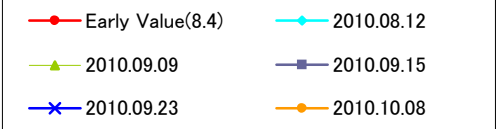
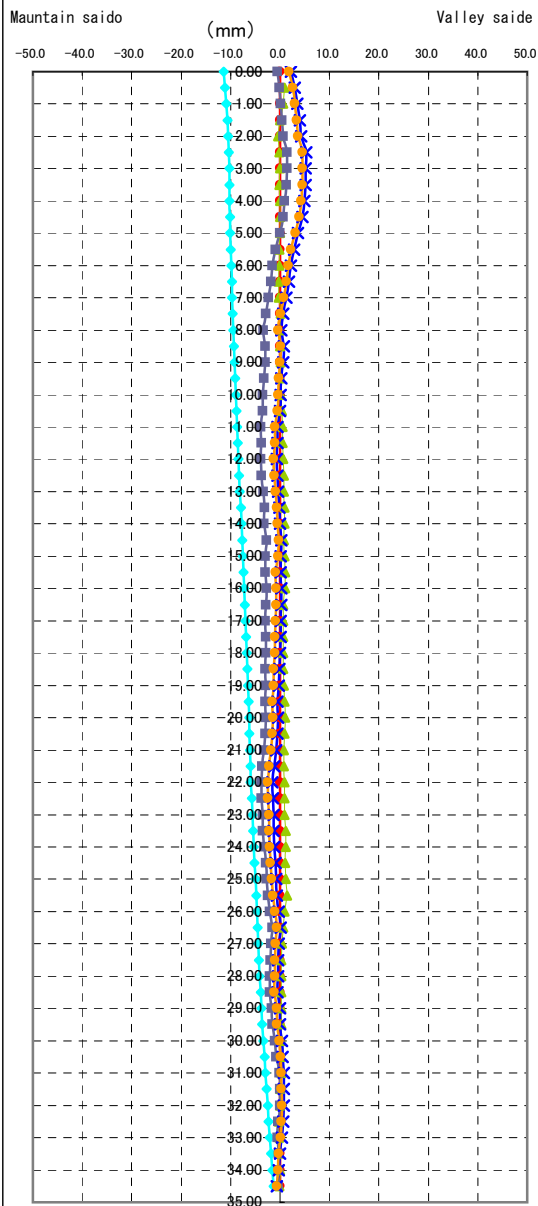


B05-13

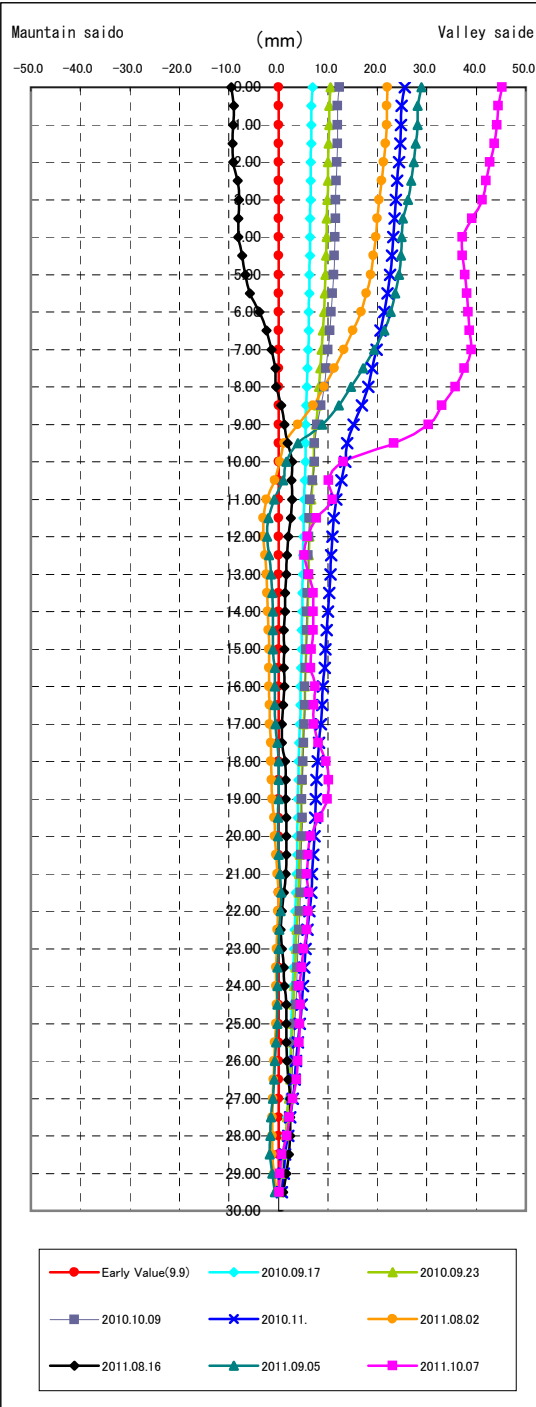


B05-21

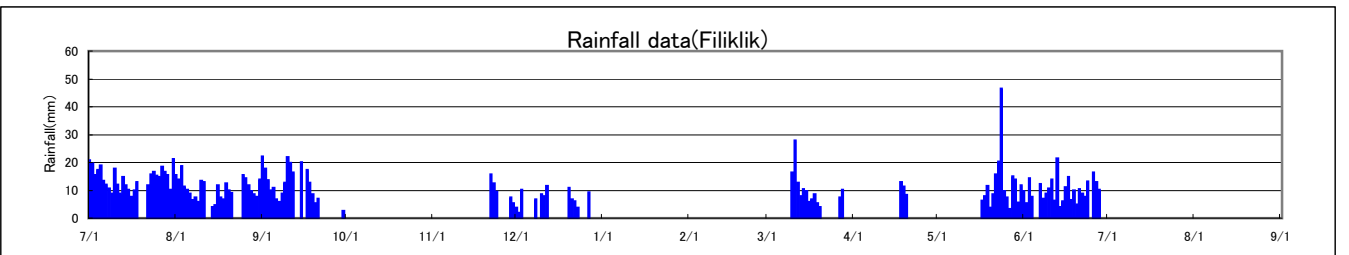
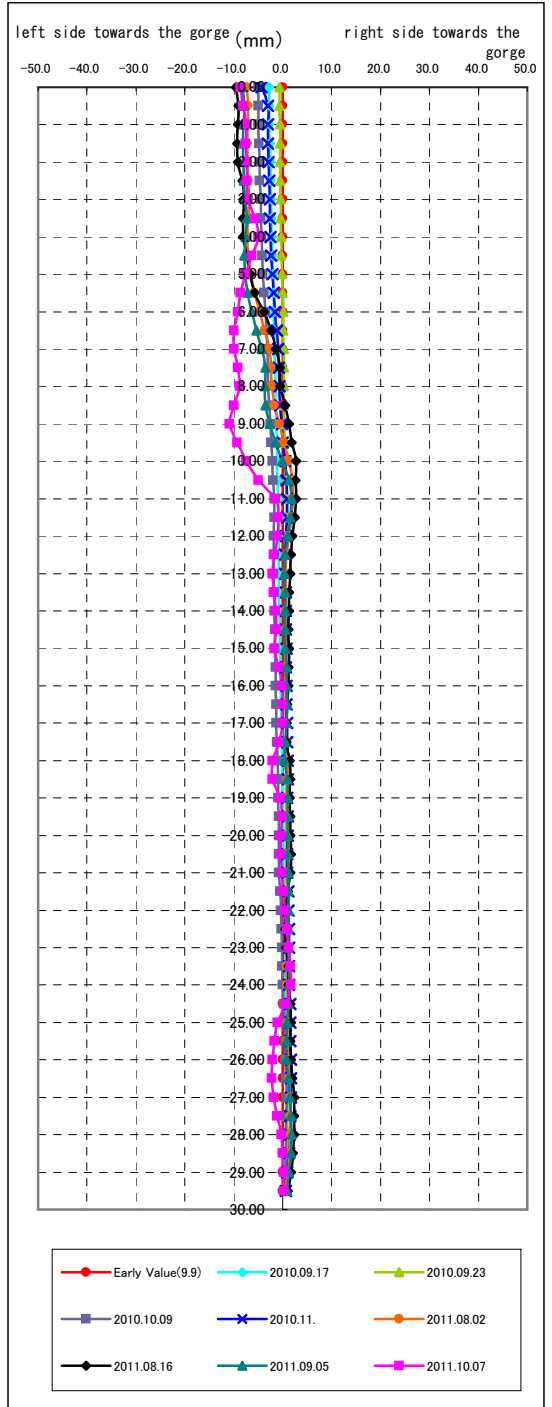
be packed



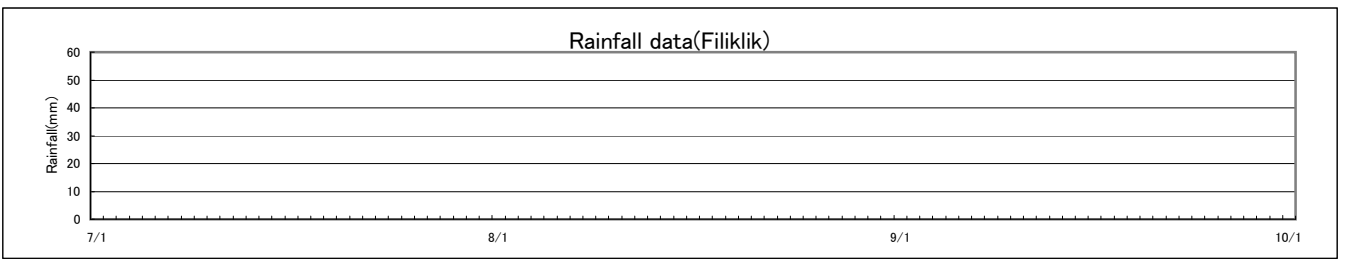
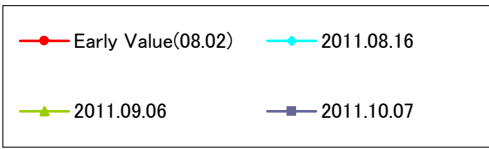
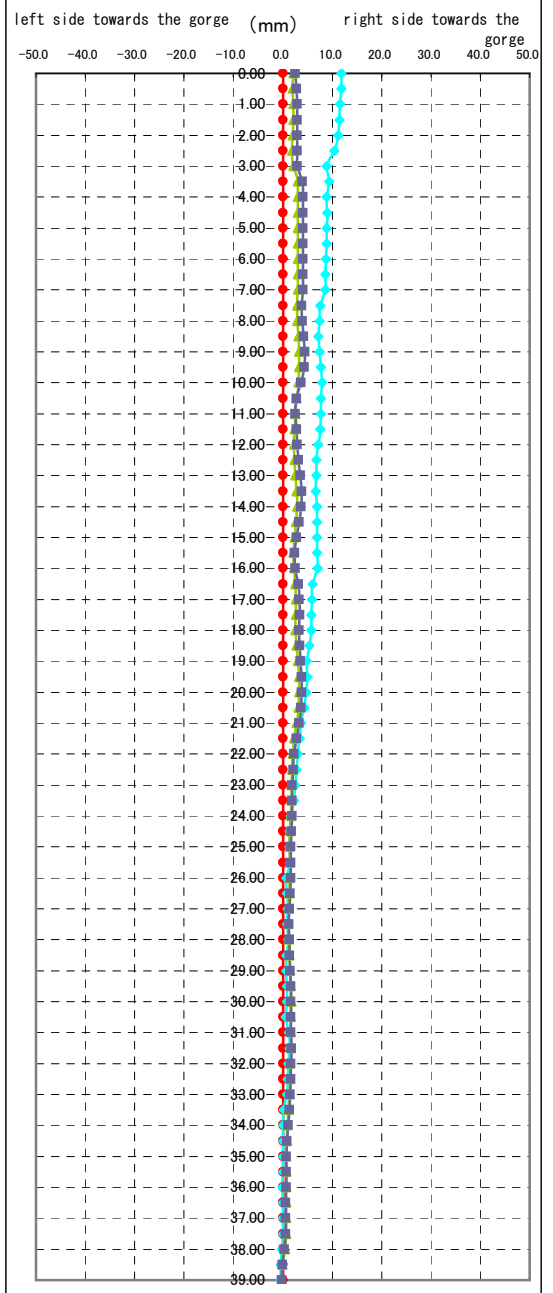
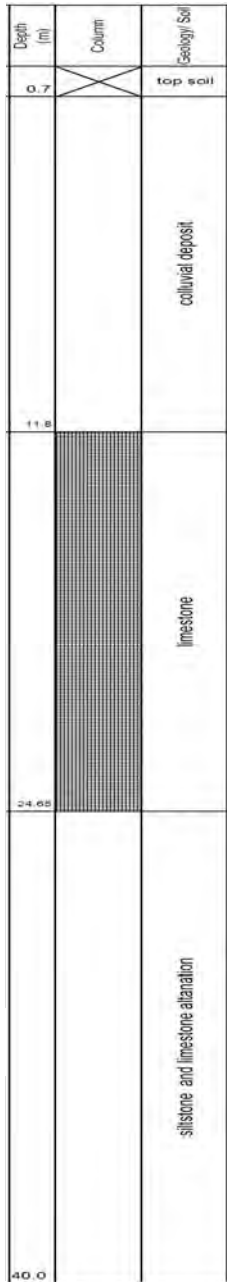
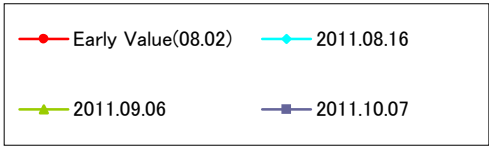
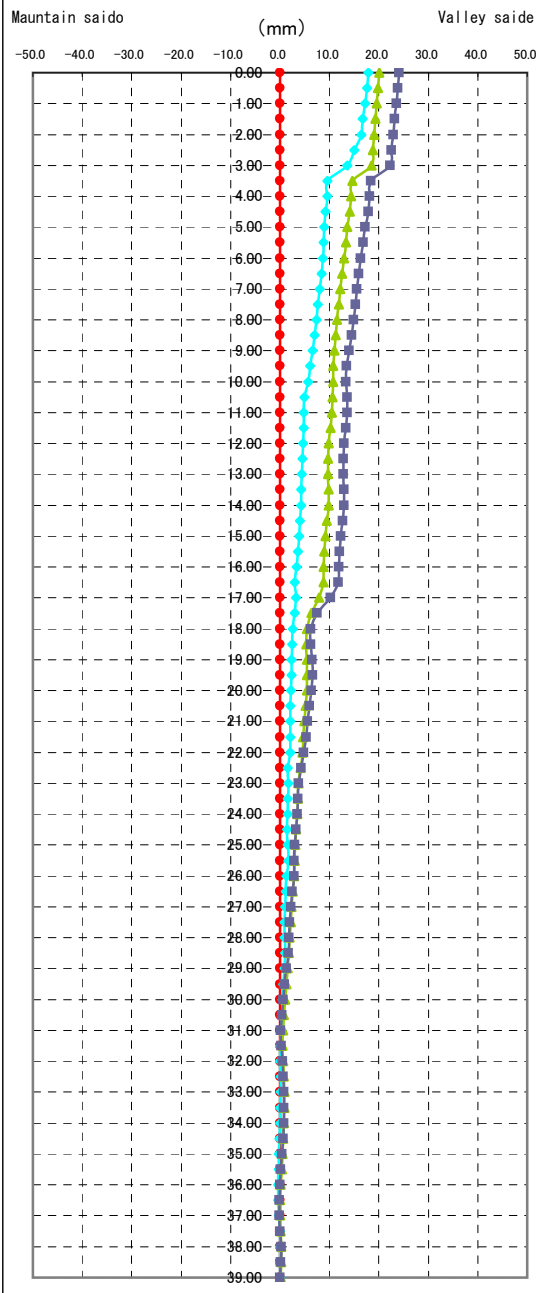
B05-22



Depth (m)	Column	Geology/ Soil
0.4		top soil
0.9		
1.6		colluvial deposit
2.75		
4.4		
9.55		
10.3		
10.8		limestone
14.4		
19.5		
21.0		
21.85		
23.7		
24.3		
25.3		
25.7		
27.3		
26.55		
30.0		

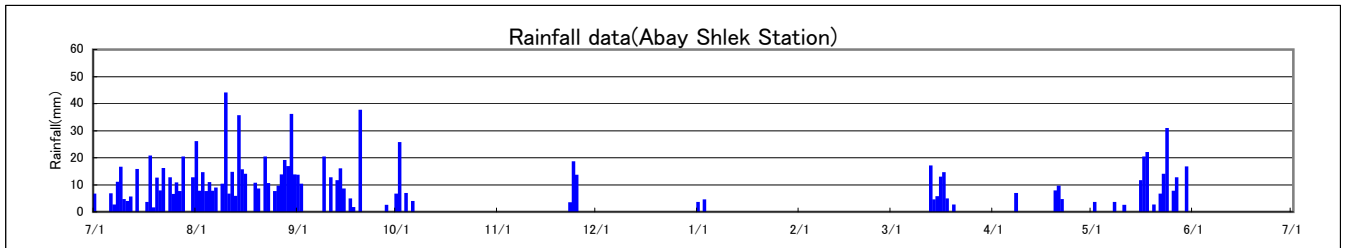
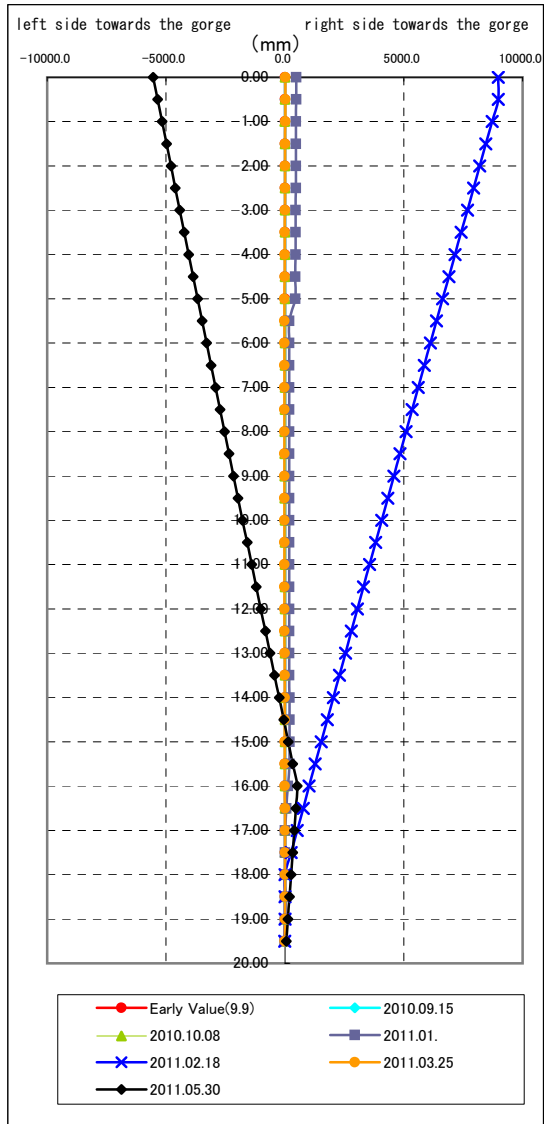
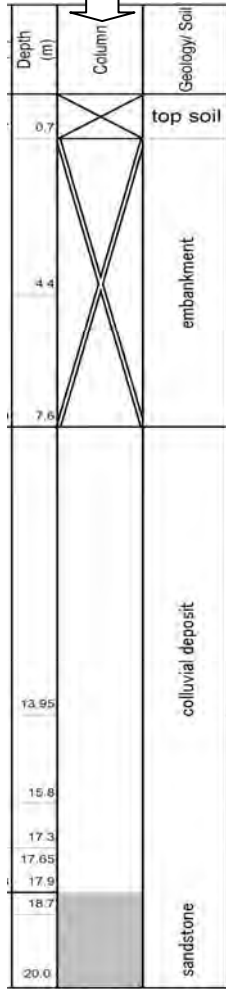
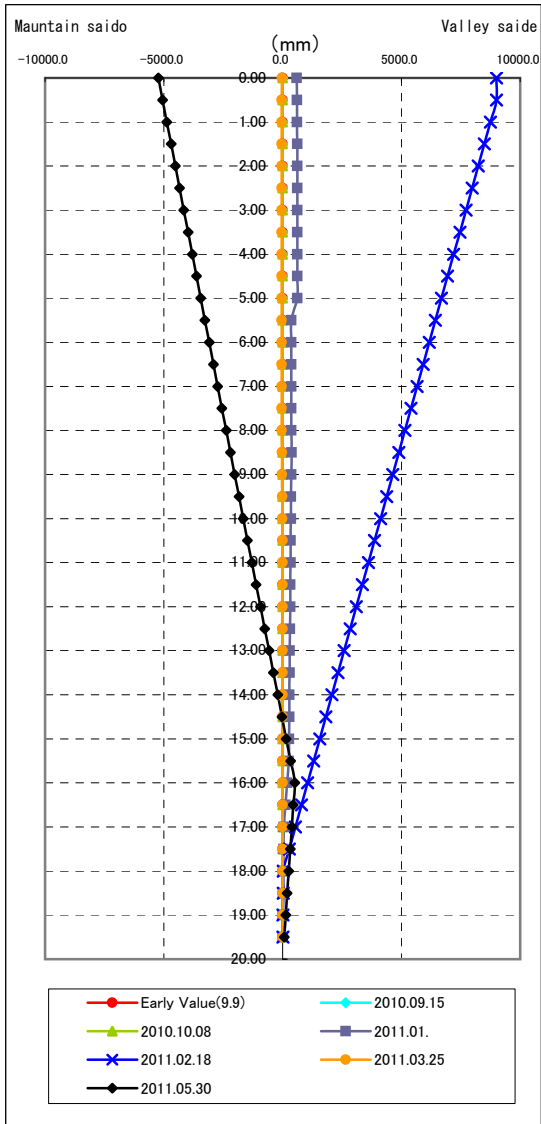


B05-23

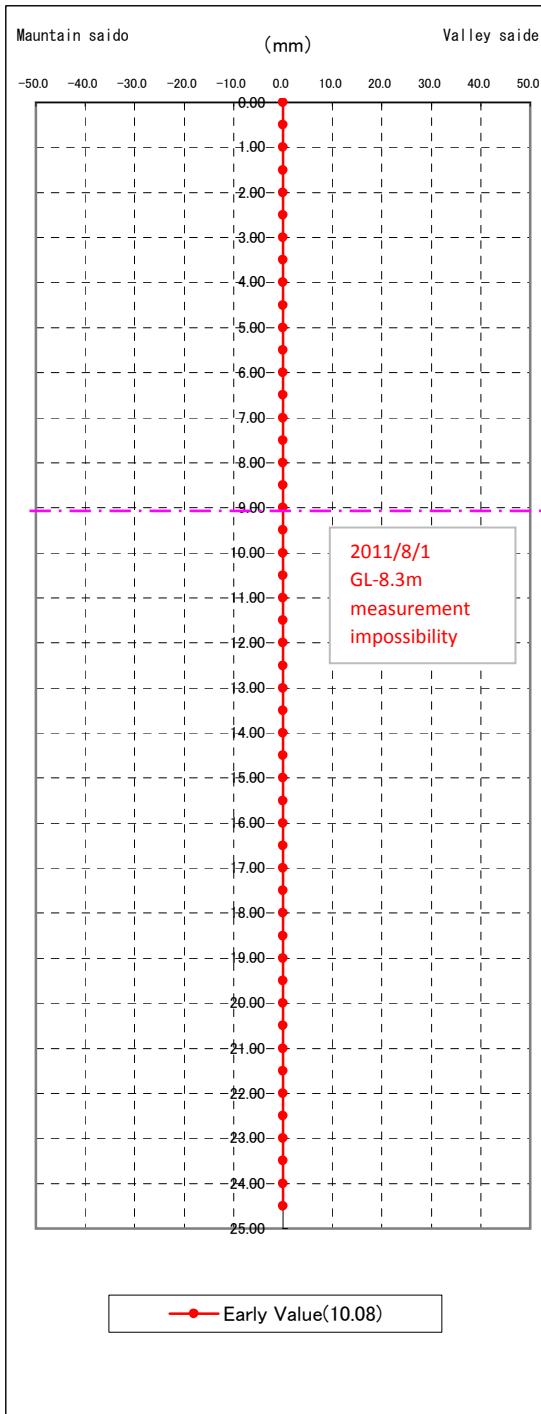


B22-11

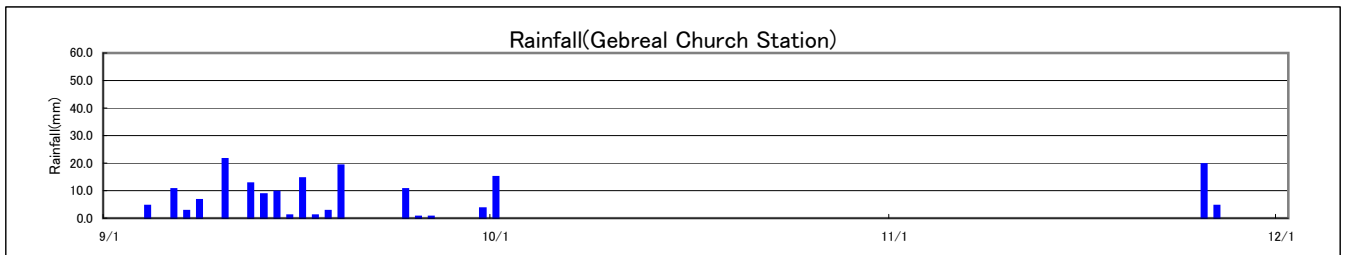
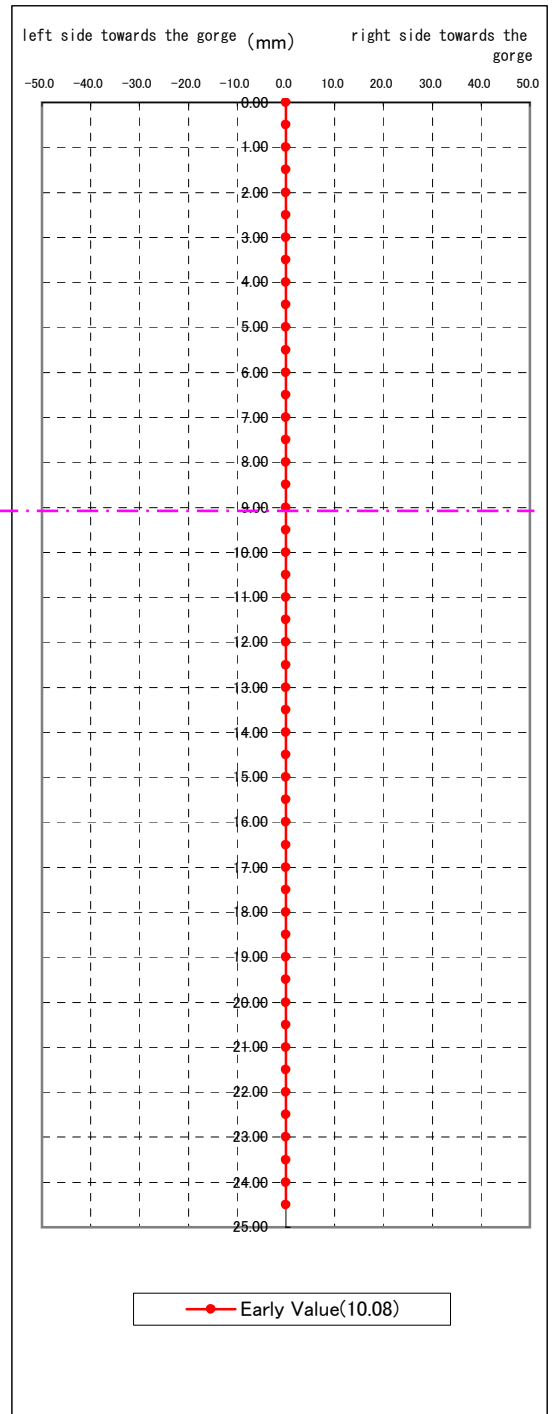
be packed

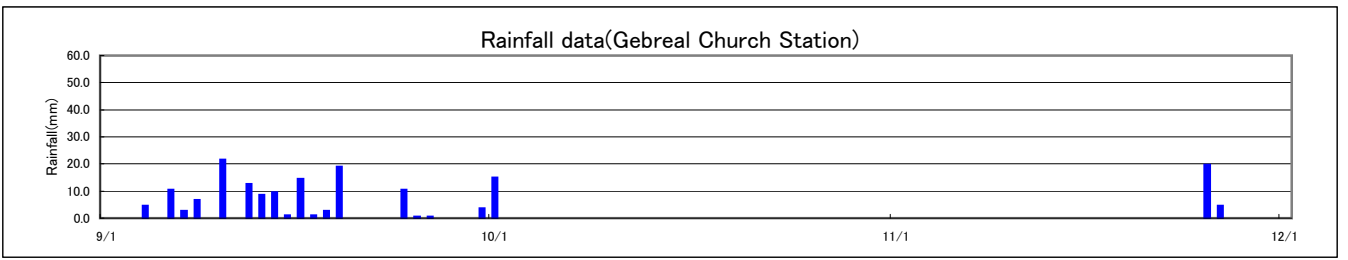
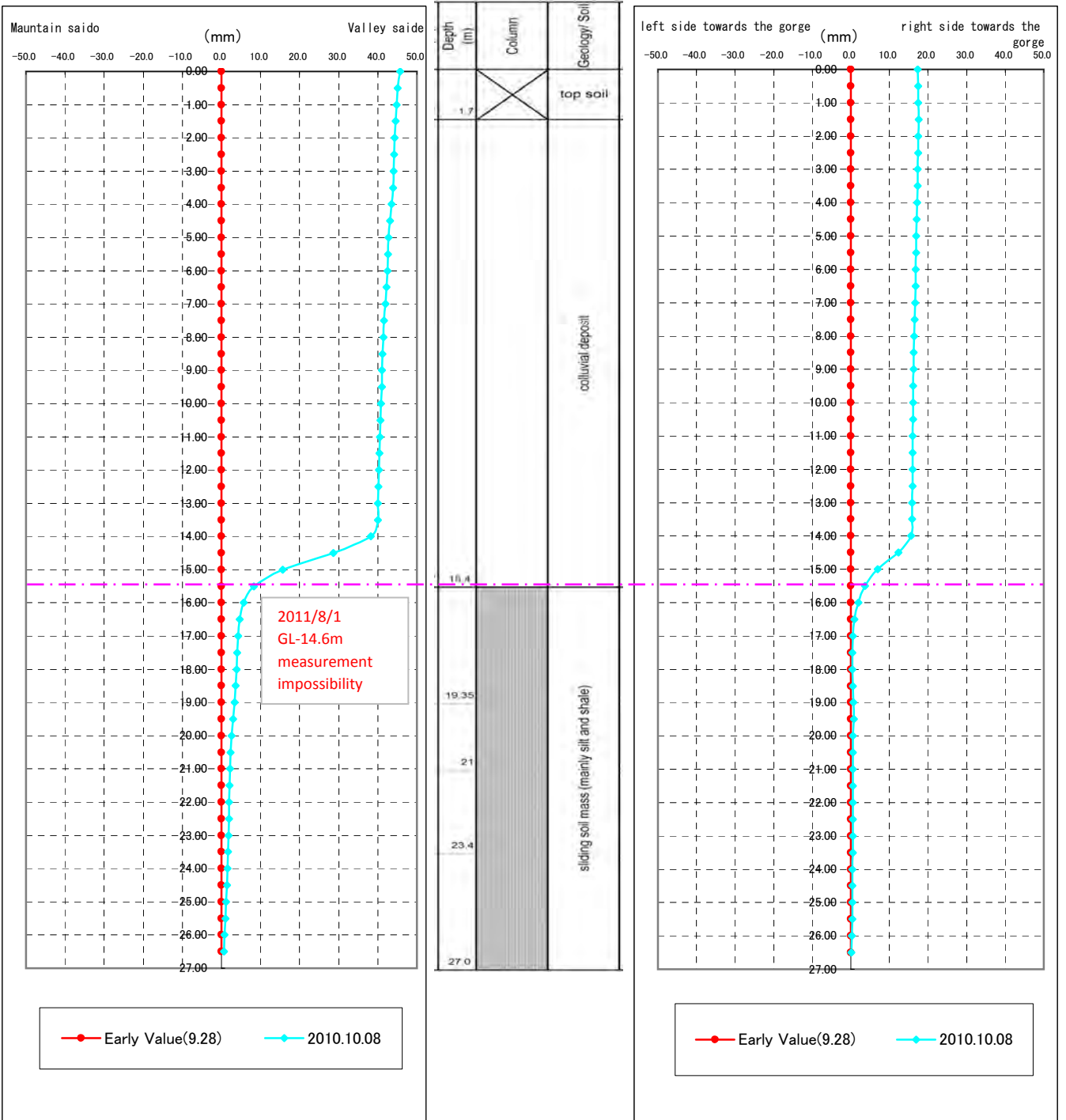


B27-11

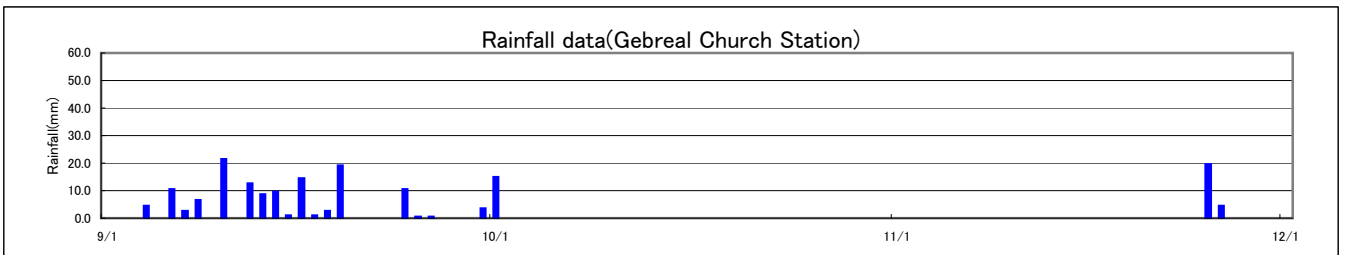
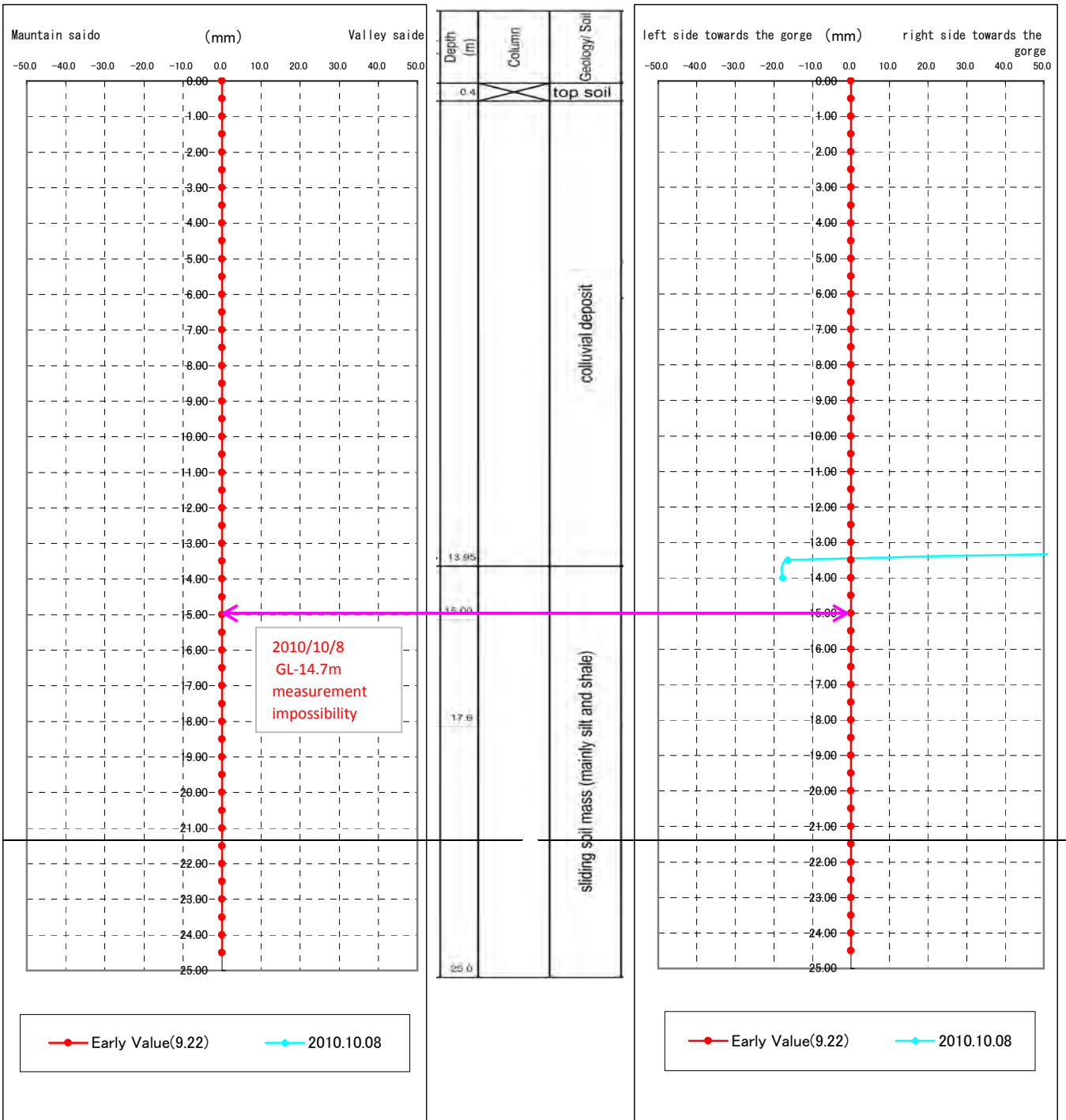


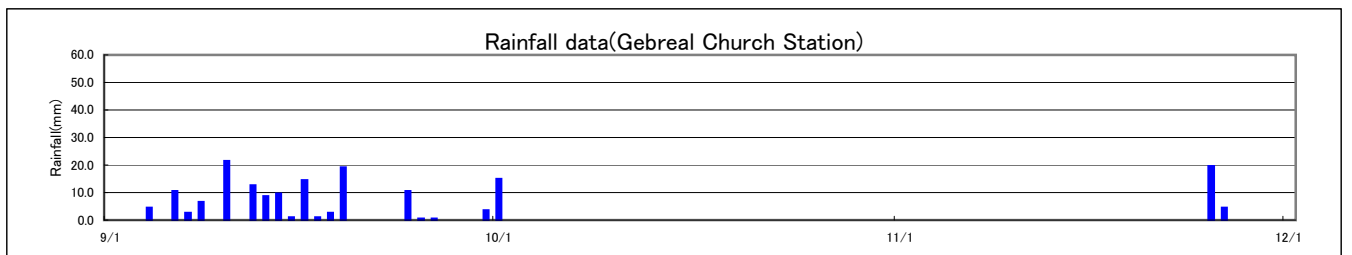
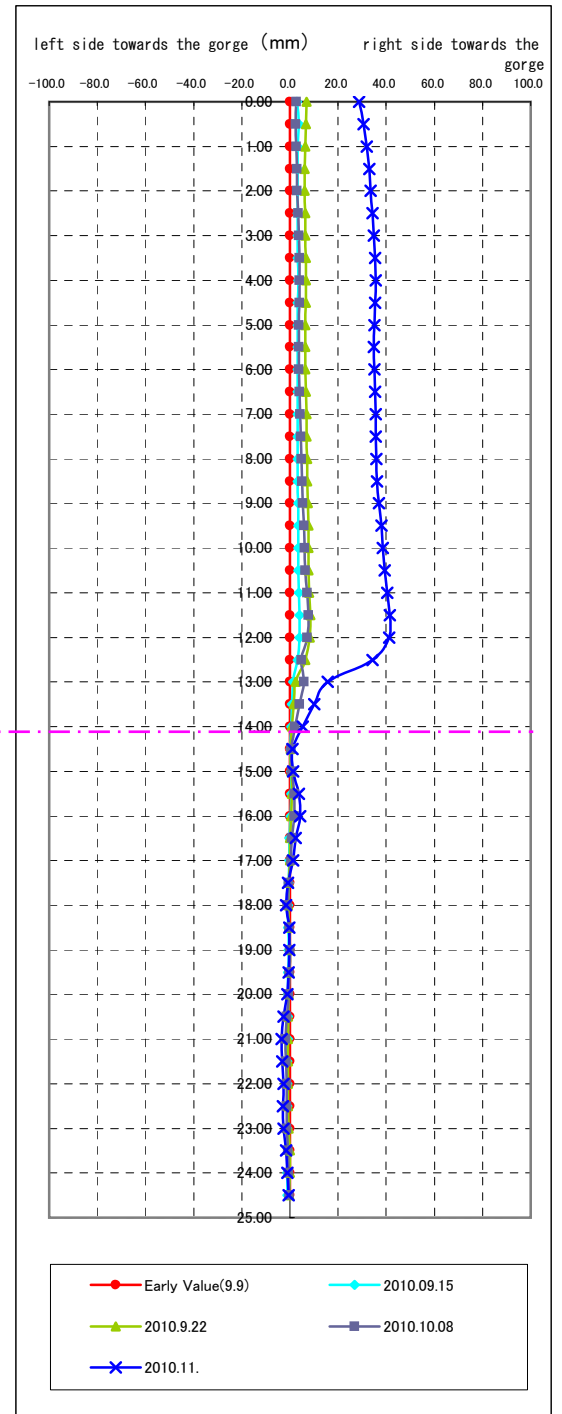
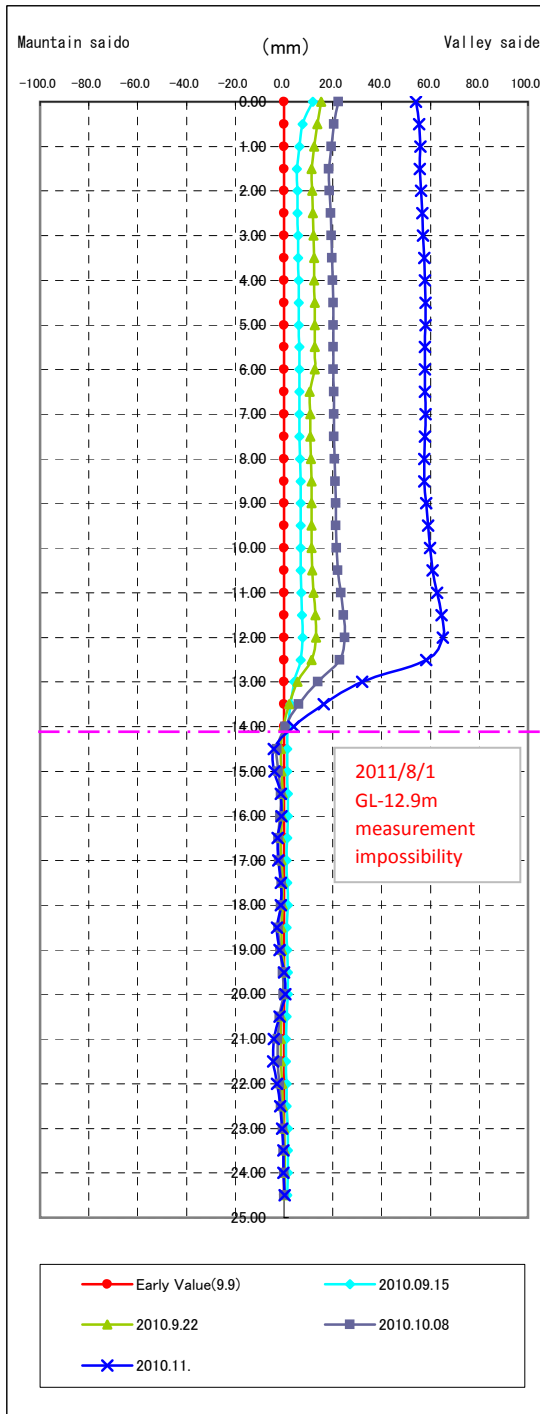
Depth (m)	Column	Geology/ Soil
8.3		colluvial deposit
9.4		
11.0		
14.1		
15.35		
17.15		sliding soil mass (mainly silt and shale)
18.50		
25.0		





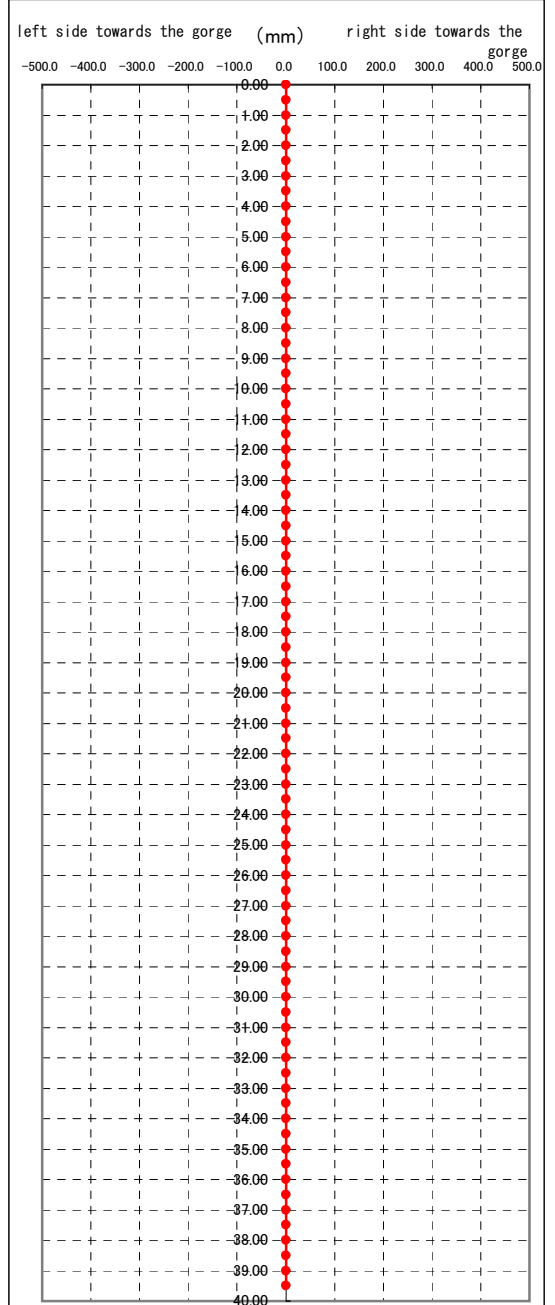
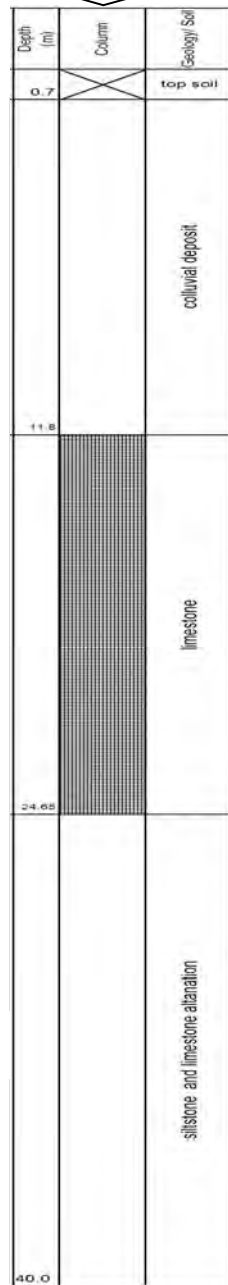
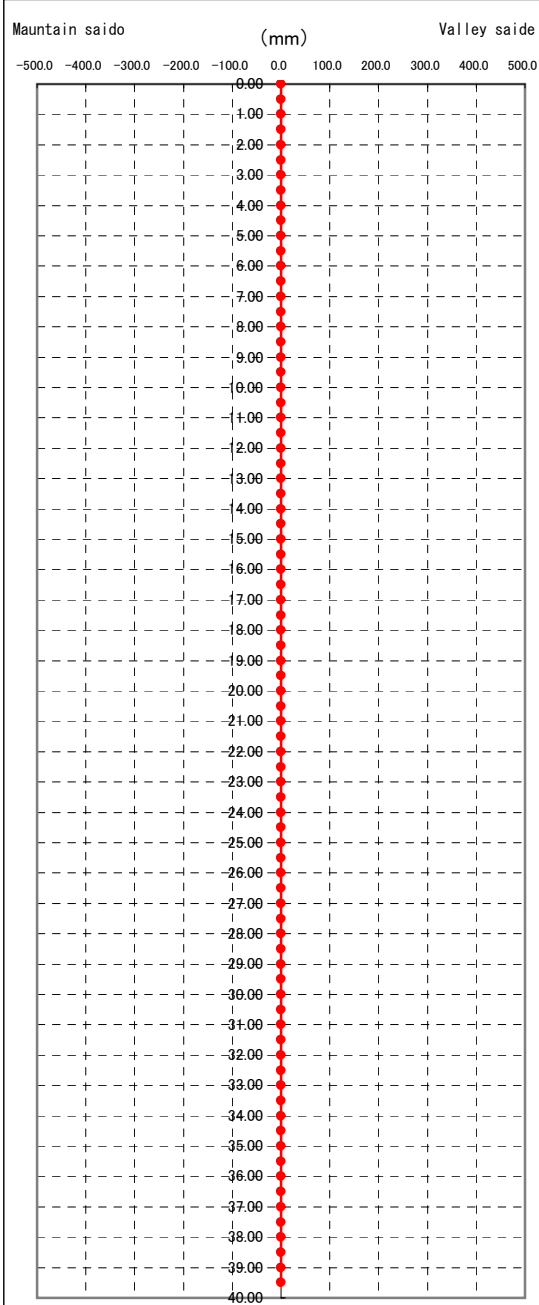
B28-11





B28-32

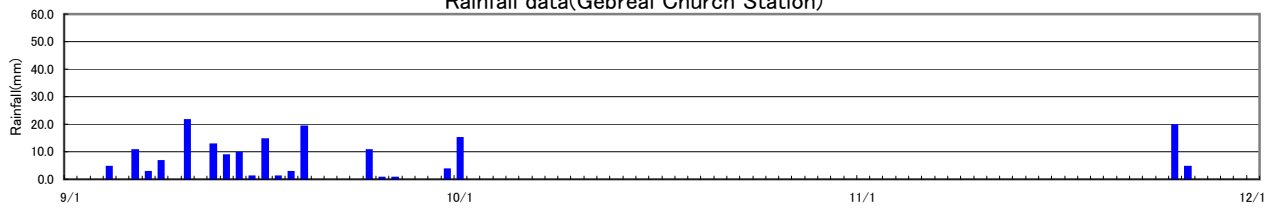
broken Borehole

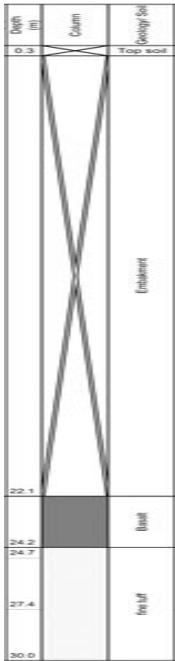


● Early Value(10.08)

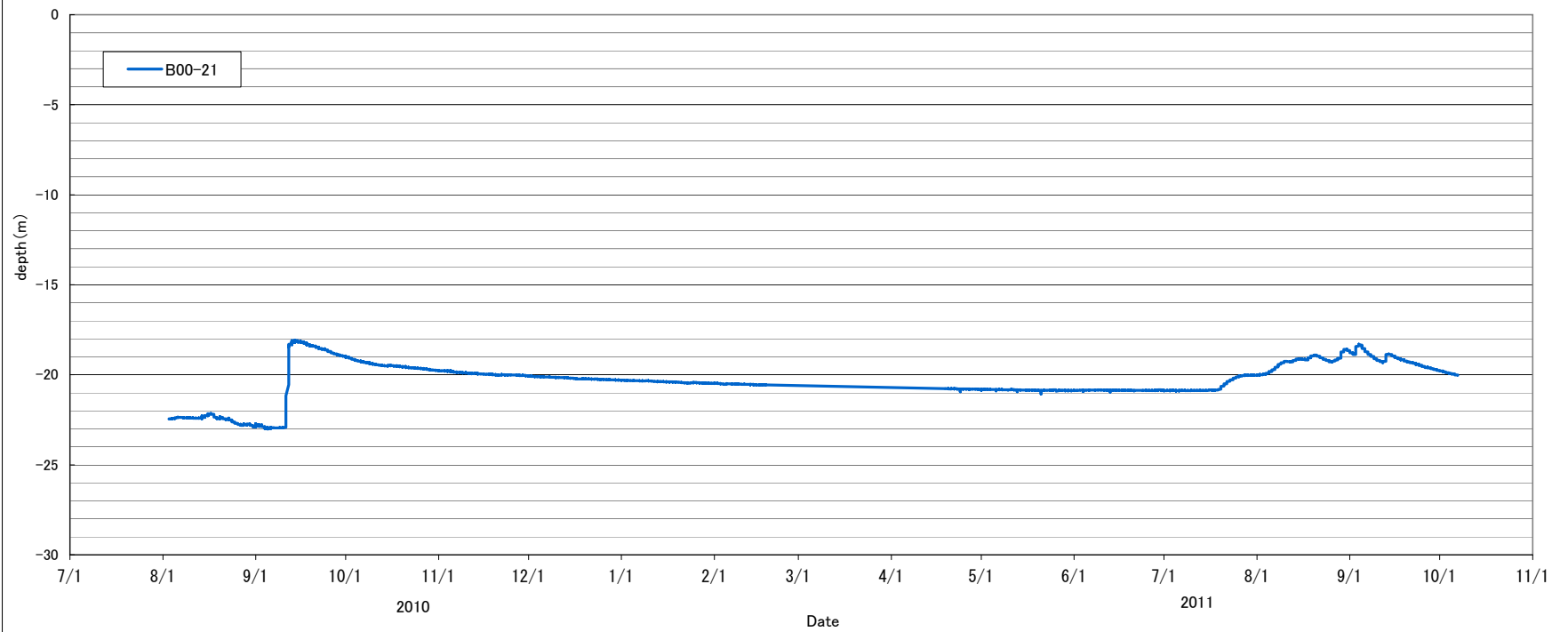
● Early Value(10.08)

Rainfall data(Gebreal Church Station)

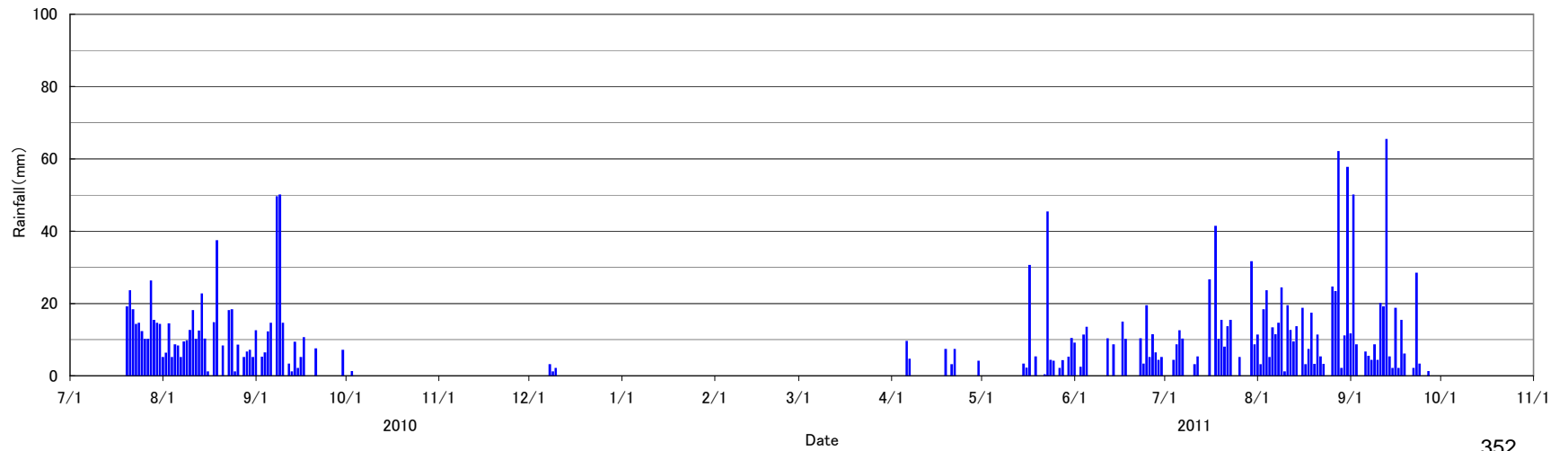




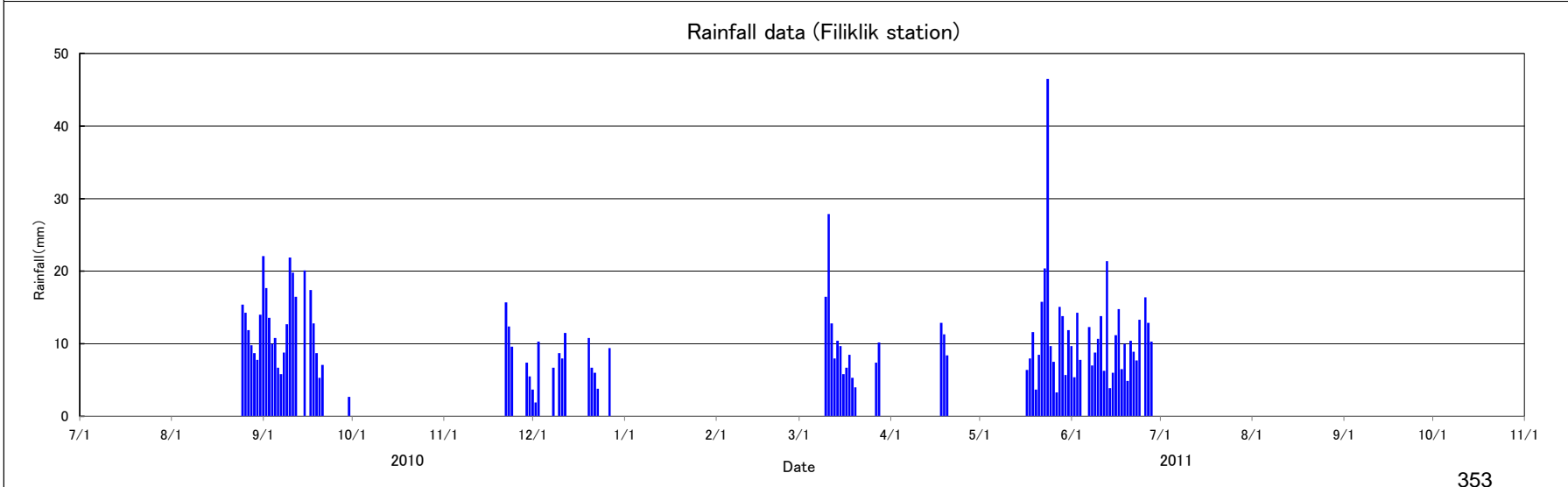
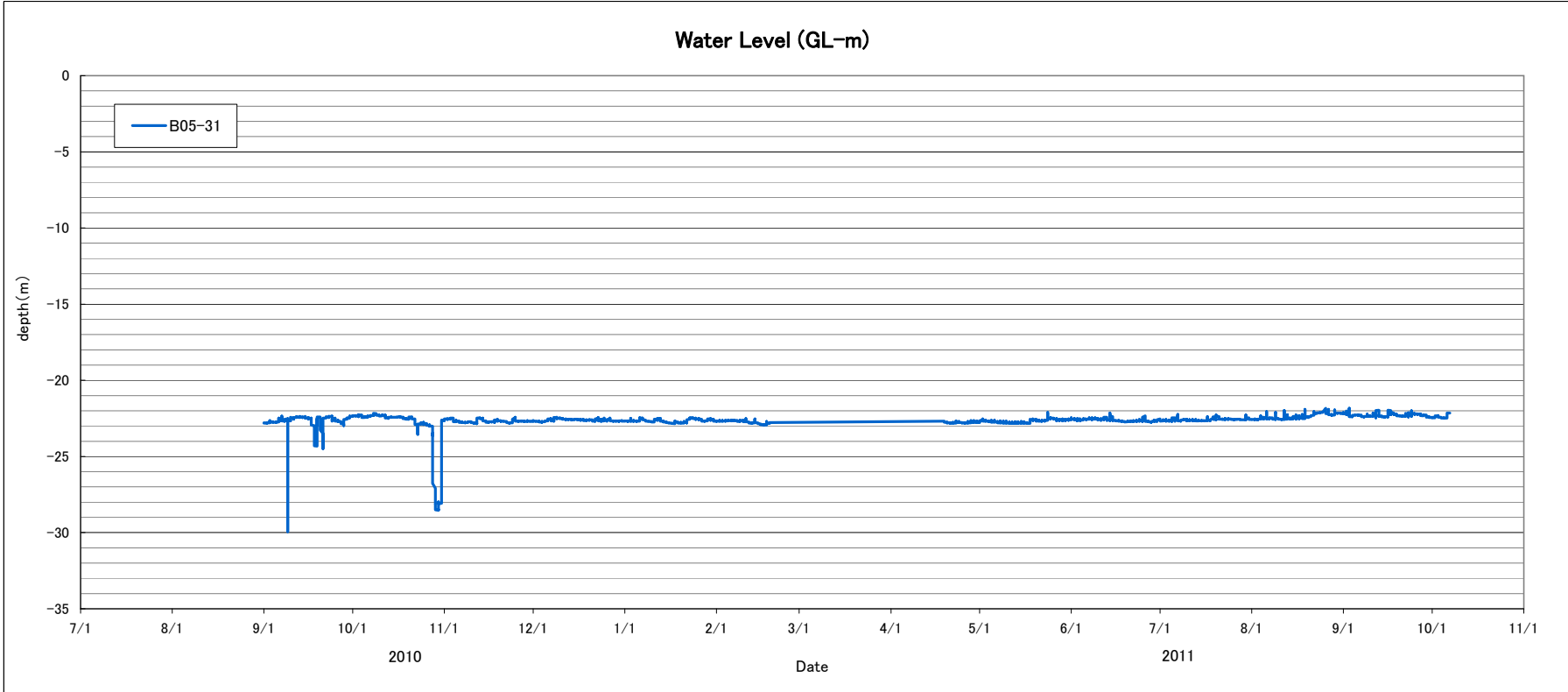
Water Level (GL-m)



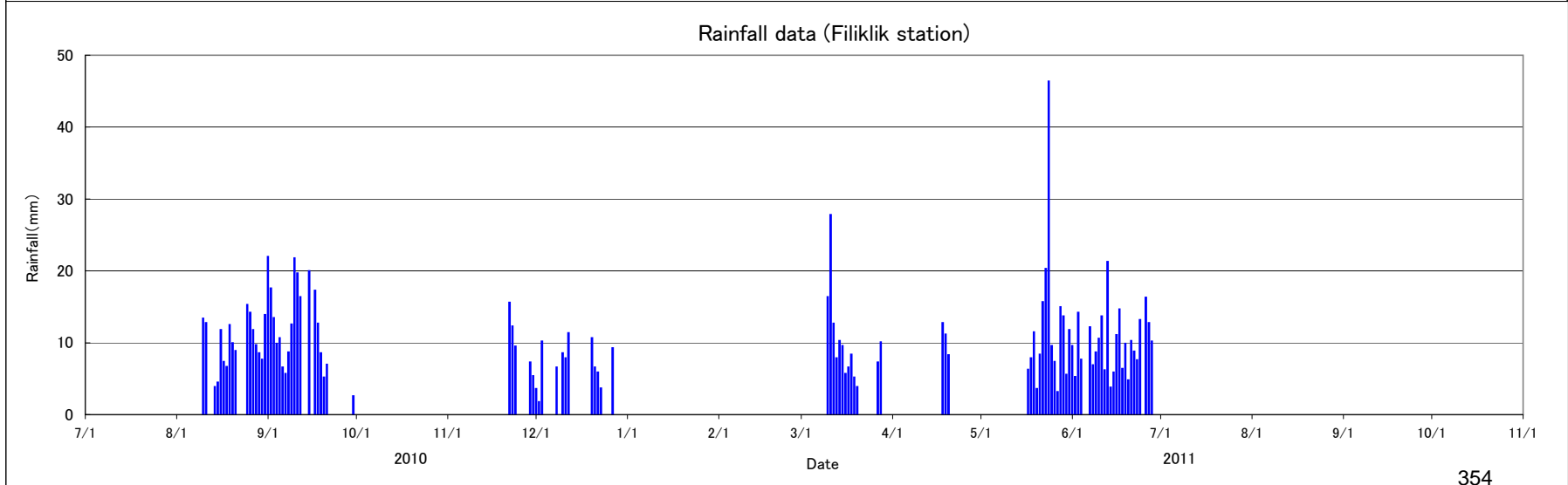
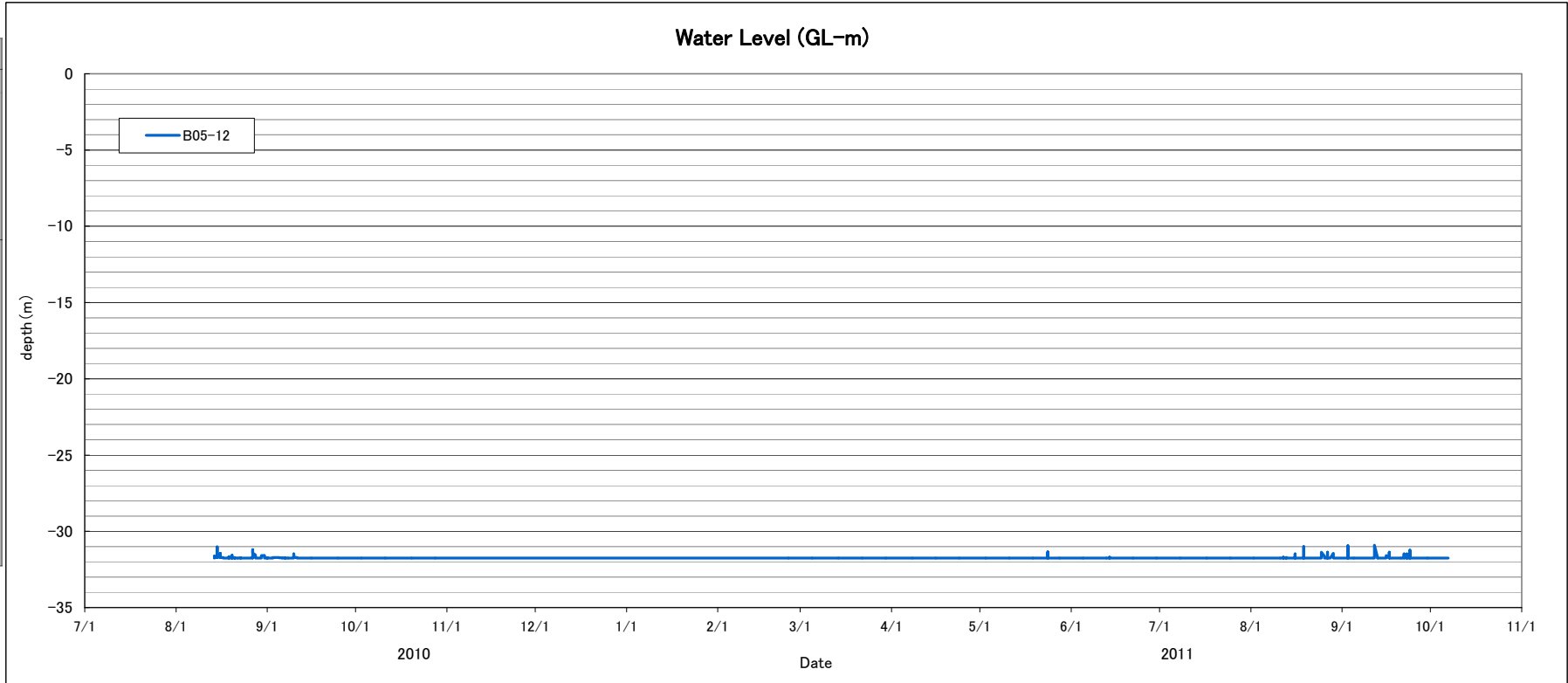
Rainfall data (GohaTsiyon station)



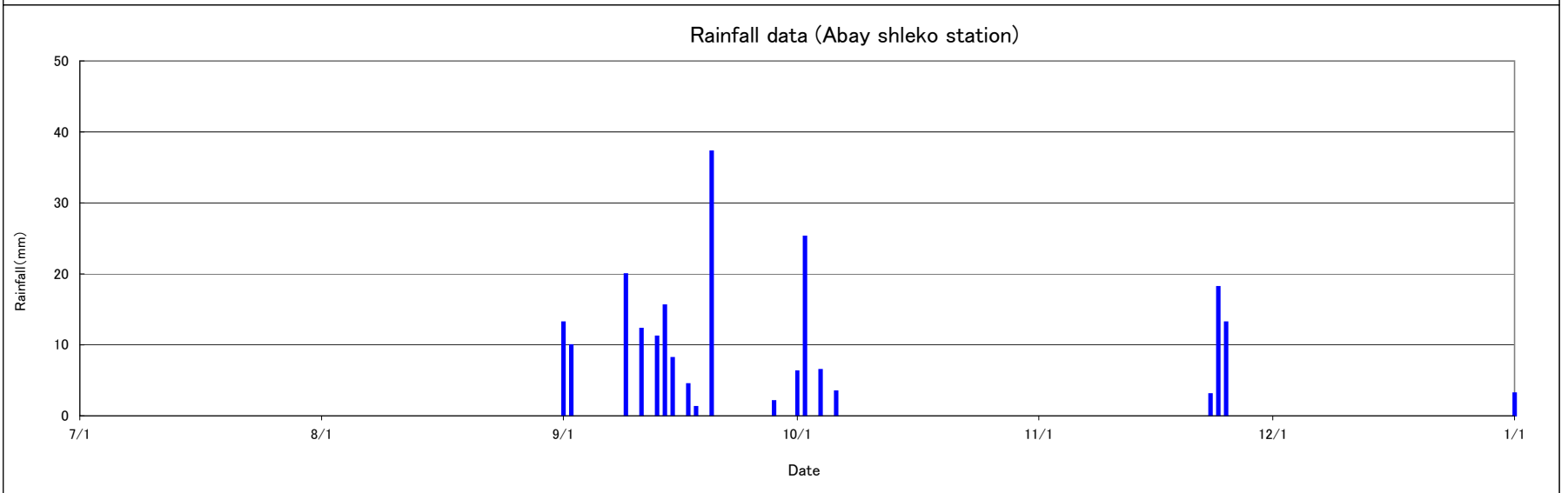
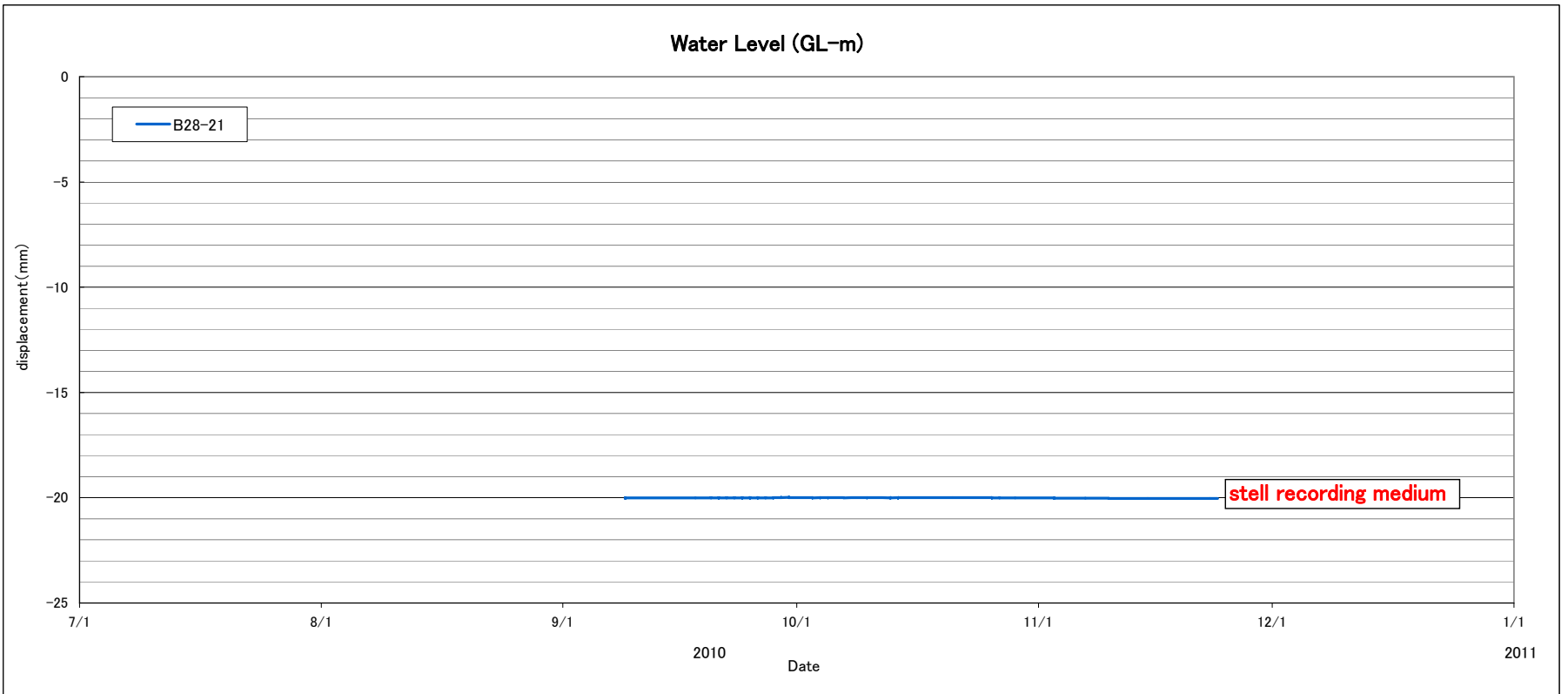
0.00			
0.50			
1.00			
1.50			
2.00			
2.50			
3.00			
3.50			
4.00			
4.50			
5.00			
5.50			
6.00			
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11.00			
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35.00			



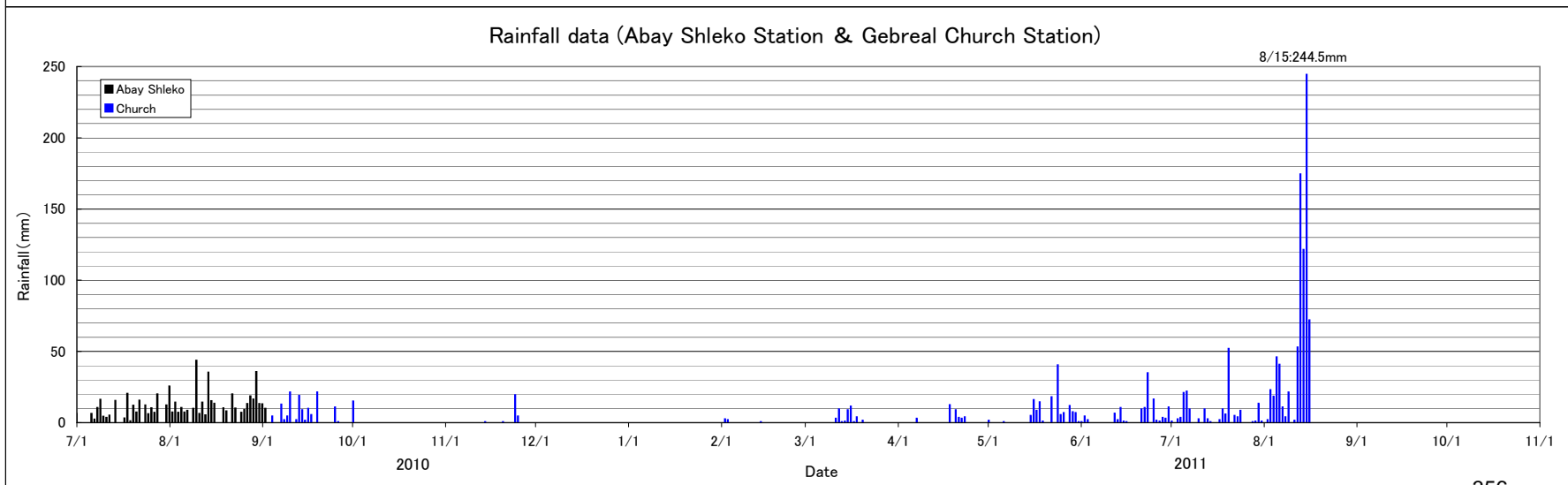
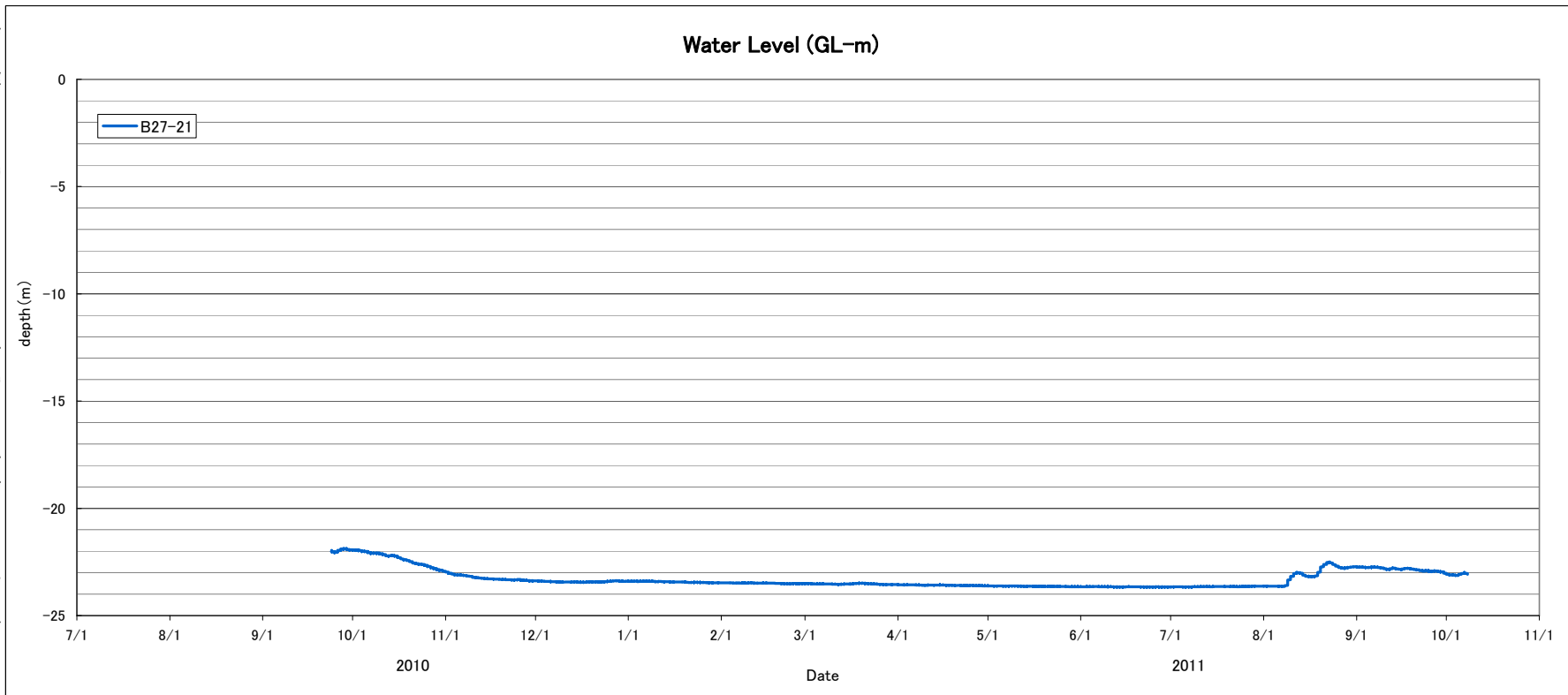
Depth (m)	Column	Vertical Interval (m)
0.00		0.00 - 0.50
0.50		0.50 - 1.00
1.00		1.00 - 1.50
1.50		1.50 - 2.00
2.00		2.00 - 2.50
2.50		2.50 - 3.00
3.00		3.00 - 3.50
3.50		3.50 - 4.00
4.00		4.00 - 4.50
4.50		4.50 - 5.00
5.00		5.00 - 5.50
5.50		5.50 - 6.00
6.00		6.00 - 6.50
6.50		6.50 - 7.00
7.00		7.00 - 7.50
7.50		7.50 - 8.00
8.00		8.00 - 8.50
8.50		8.50 - 9.00
9.00		9.00 - 9.50
9.50		9.50 - 10.00
10.00		10.00 - 10.50
10.50		10.50 - 11.00
11.00		11.00 - 11.50
11.50		11.50 - 12.00
12.00		12.00 - 12.50
12.50		12.50 - 13.00
13.00		13.00 - 13.50
13.50		13.50 - 14.00
14.00		14.00 - 14.50
14.50		14.50 - 15.00
15.00		15.00 - 15.50
15.50		15.50 - 16.00
16.00		16.00 - 16.50
16.50		16.50 - 17.00
17.00		17.00 - 17.50
17.50		17.50 - 18.00
18.00		18.00 - 18.50
18.50		18.50 - 19.00
19.00		19.00 - 19.50
19.50		19.50 - 20.00
20.00		20.00 - 20.50
20.50		20.50 - 21.00
21.00		21.00 - 21.50
21.50		21.50 - 22.00
22.00		22.00 - 22.50
22.50		22.50 - 23.00
23.00		23.00 - 23.50
23.50		23.50 - 24.00
24.00		24.00 - 24.50
24.50		24.50 - 25.00
25.00		25.00 - 25.50
25.50		25.50 - 26.00
26.00		26.00 - 26.50
26.50		26.50 - 27.00
27.00		27.00 - 27.50
27.50		27.50 - 28.00
28.00		28.00 - 28.50
28.50		28.50 - 29.00
29.00		29.00 - 29.50
29.50		29.50 - 30.00
30.00		30.00 - 30.50
30.50		30.50 - 31.00
31.00		31.00 - 31.50
31.50		31.50 - 32.00
32.00		32.00 - 32.50
32.50		32.50 - 33.00
33.00		33.00 - 33.50
33.50		33.50 - 34.00
34.00		34.00 - 34.50
34.50		34.50 - 35.00



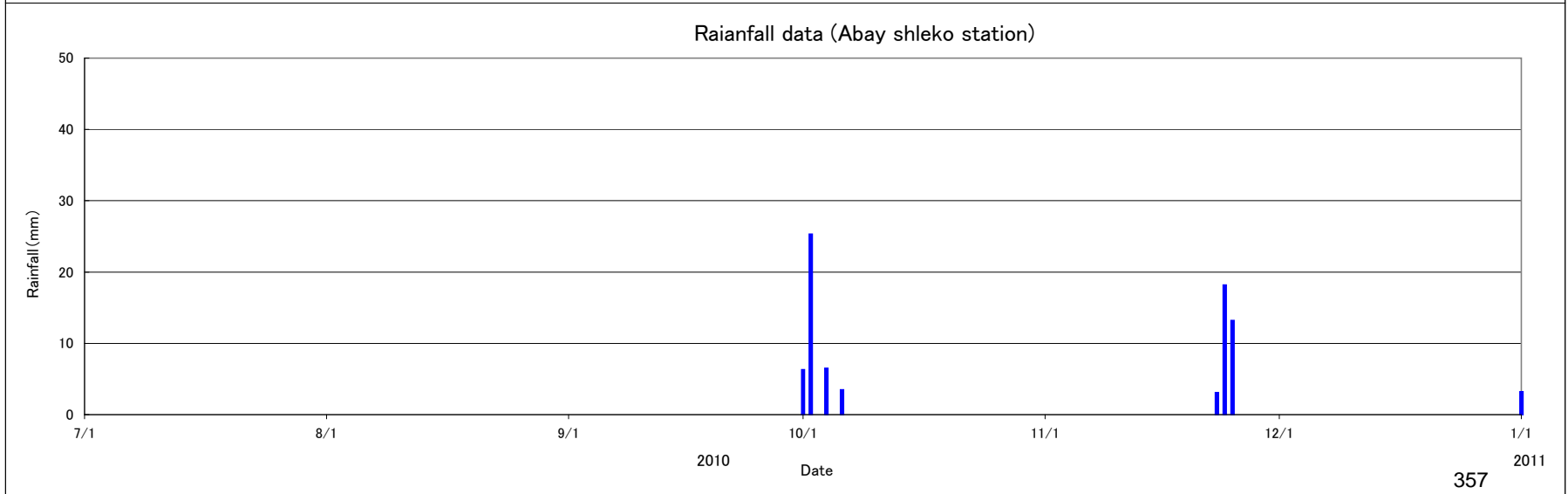
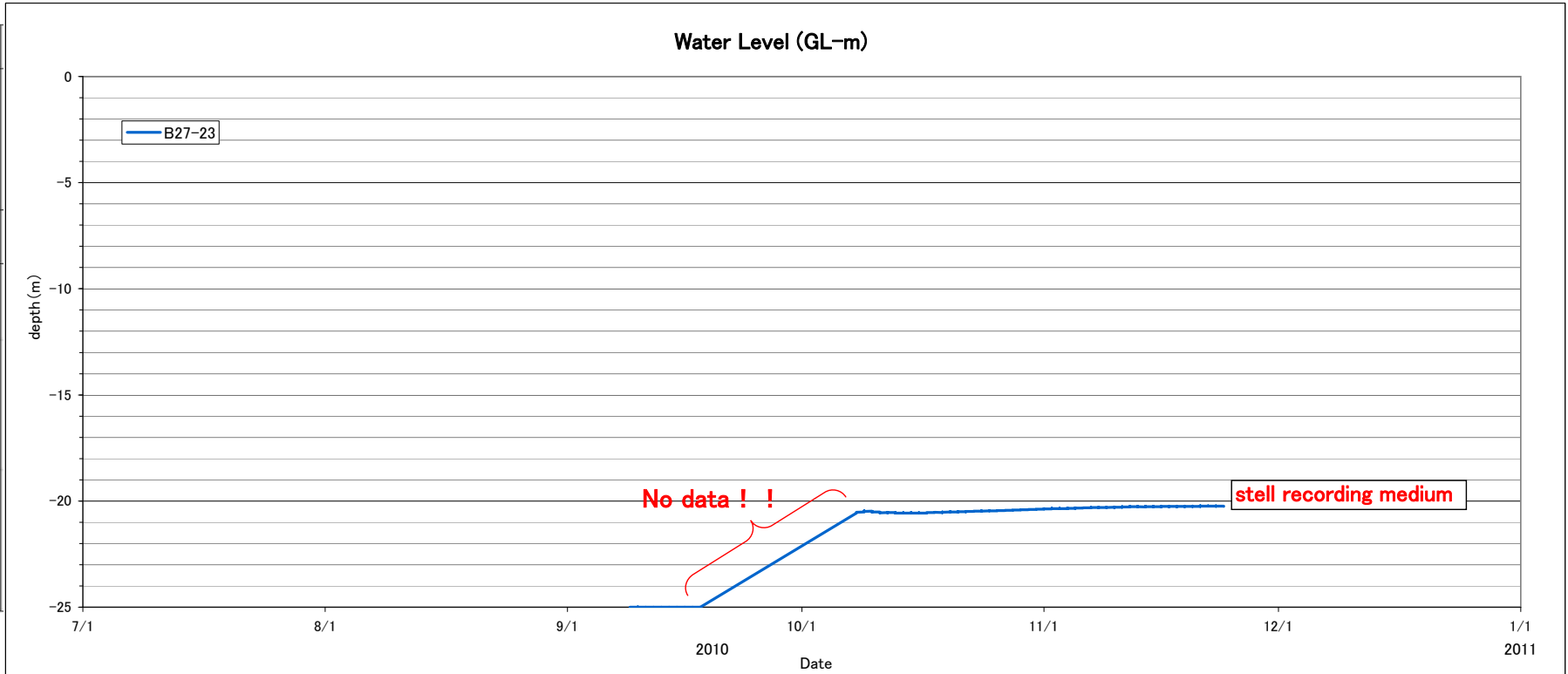
Depth (m)	Column	Soil Type
0.5		Top soil
6.2		colluvial deposit
14.85		sliding soil mass (mainly basalt and some fine contain limestone)
15.65		
17.00		
25.0		

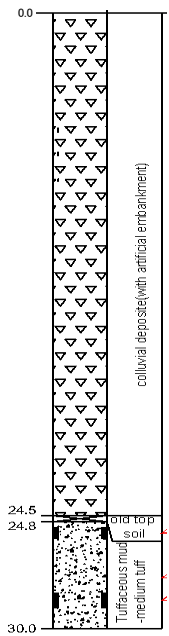


Depth (m)	Column	Ecology Soil
0.3		top soil
4.5		colluvial deposit
12.4		
14.05		
17.6		
18.4		
19.5		
20.9		
21.25		
21.9		
23.3		
25.0		

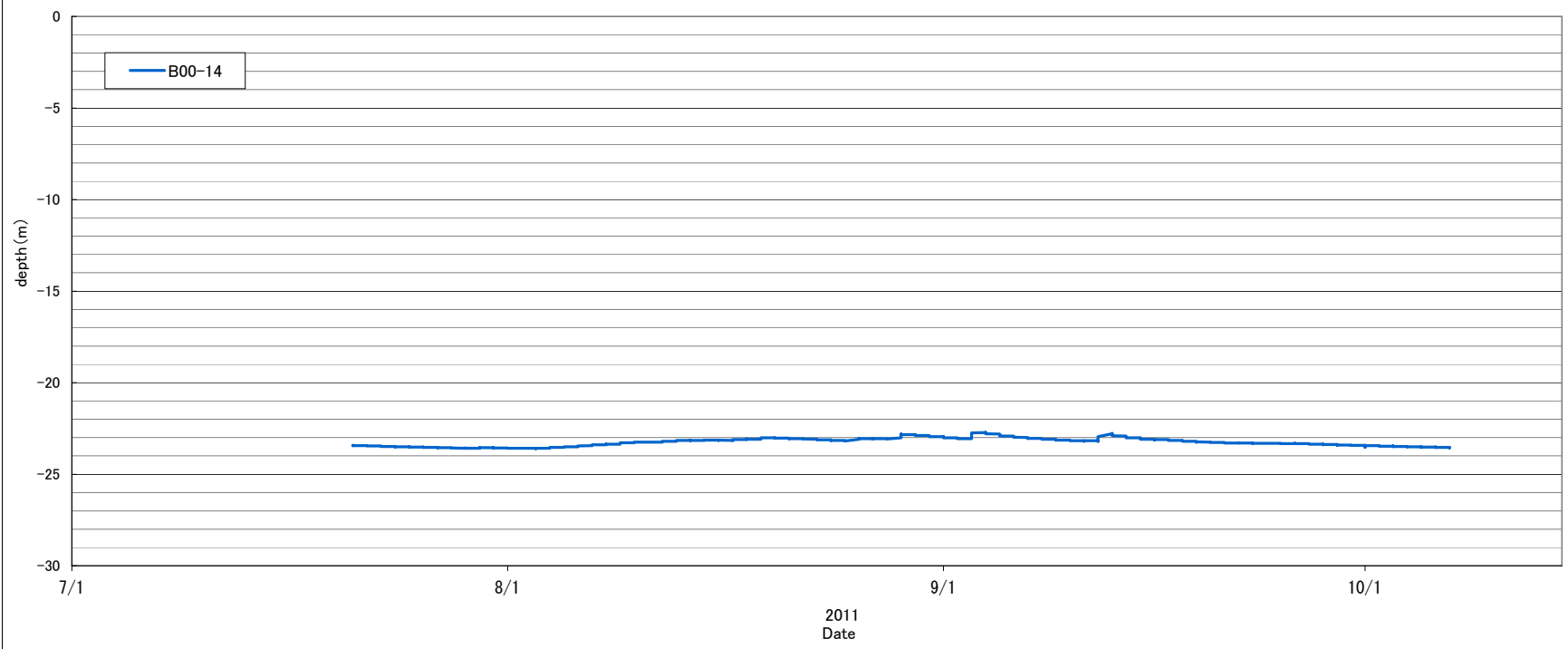


Depth (m)	Column	Geology Soil
6.1		colluvial deposit
9.0		
12.5		
18.45		sliding soil mass (many sil and shale)
25.0		

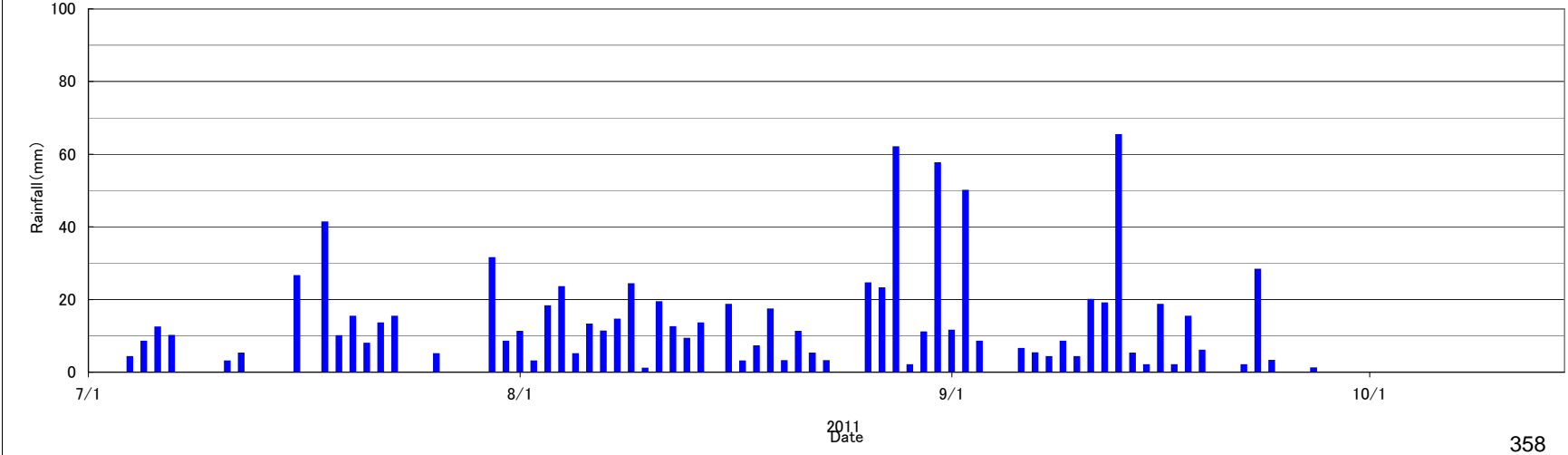


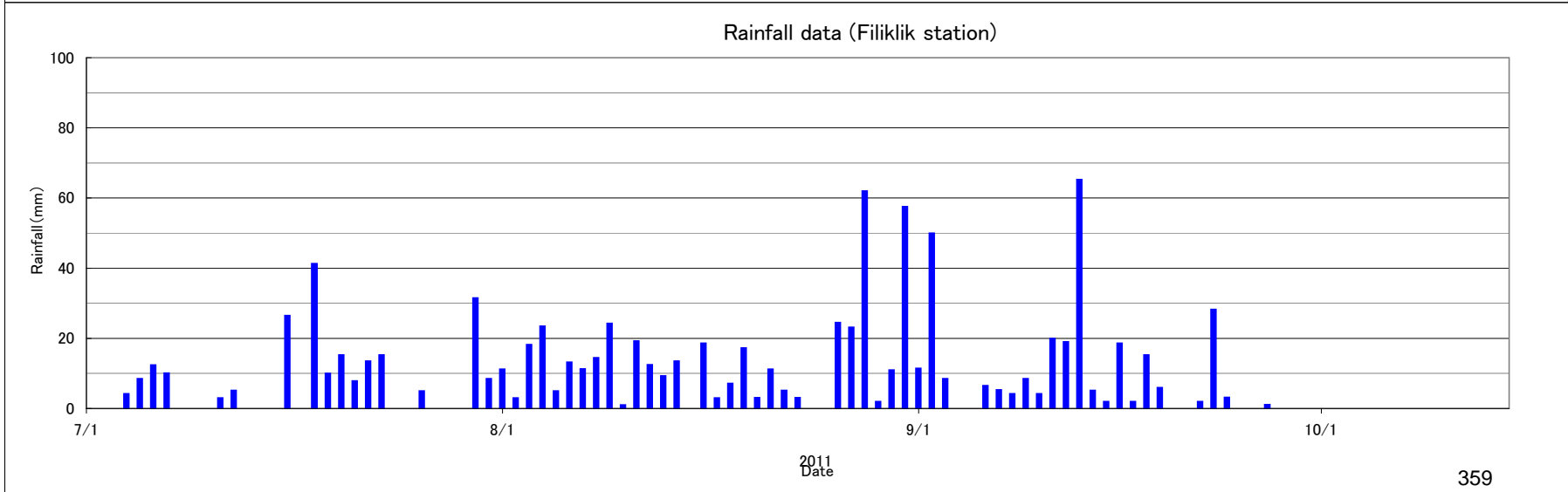
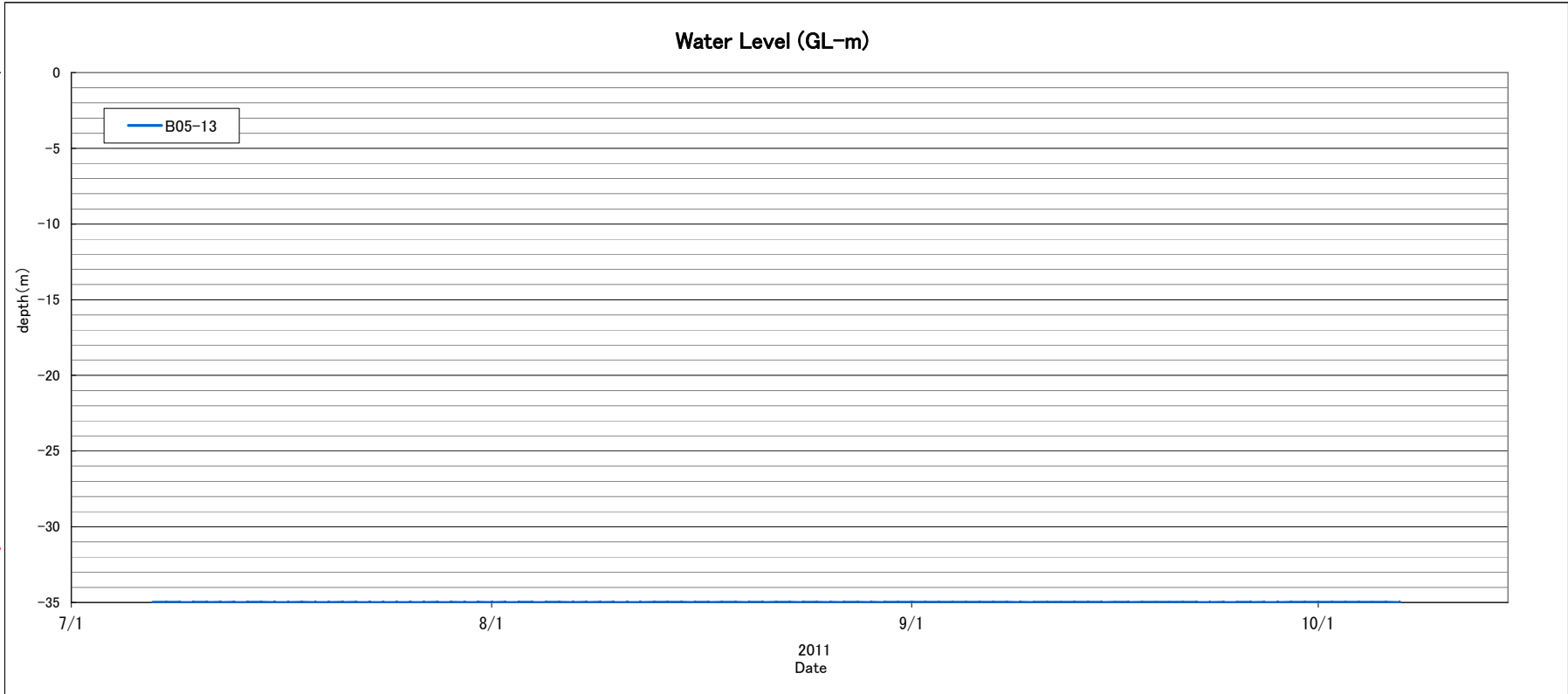
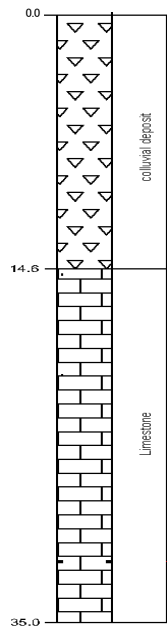


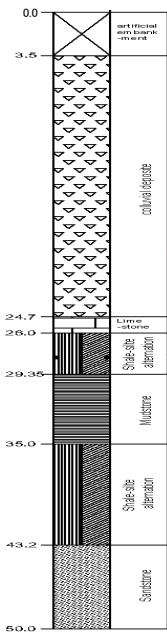
Water Level (GL-m)



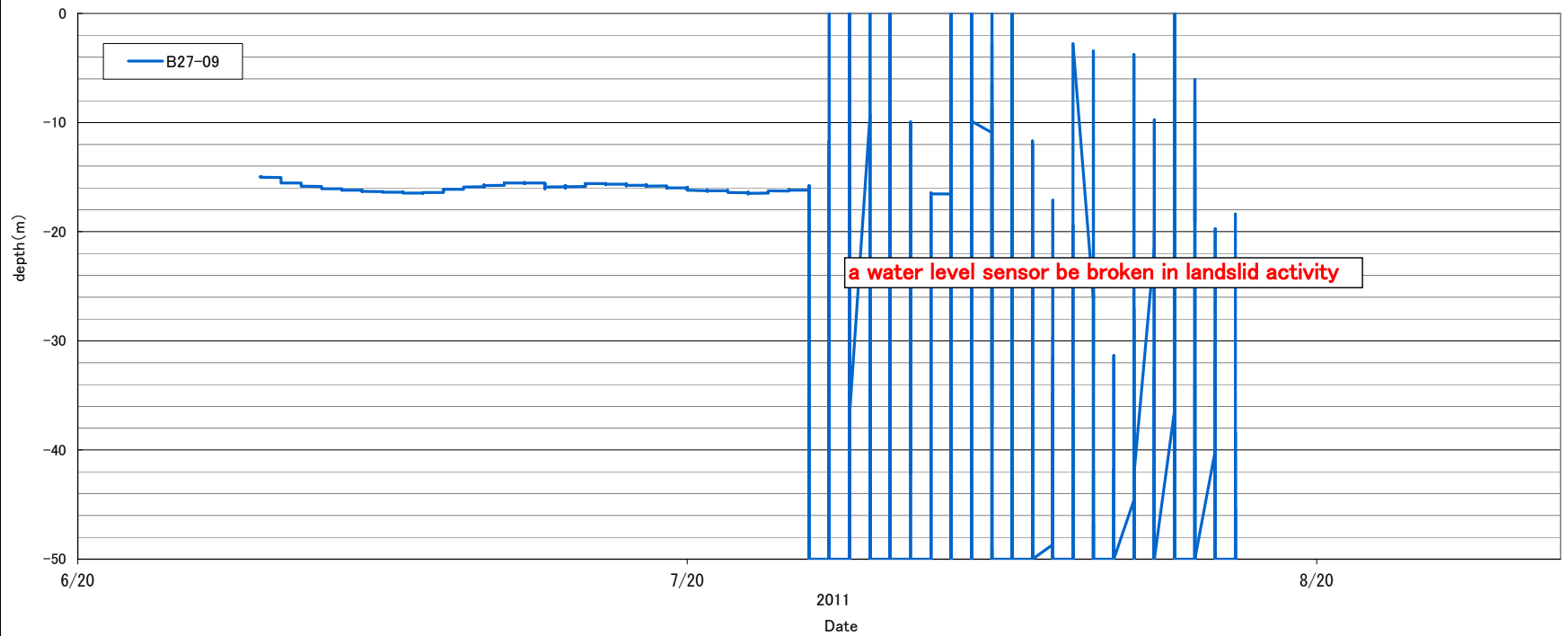
Rainfall data (GohaTsiyon station)



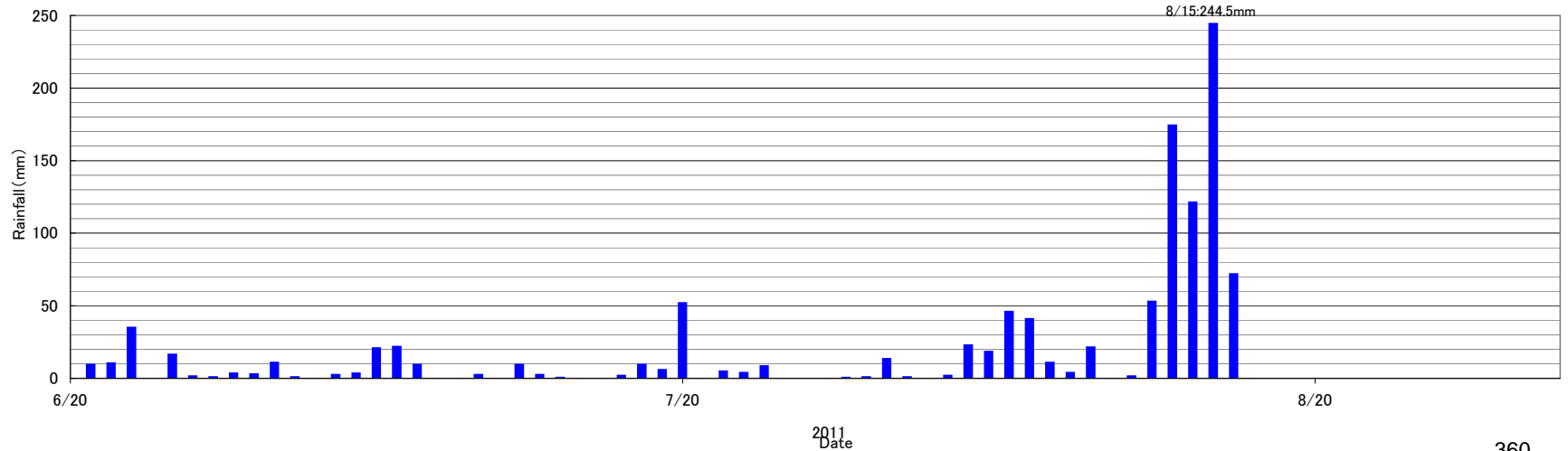


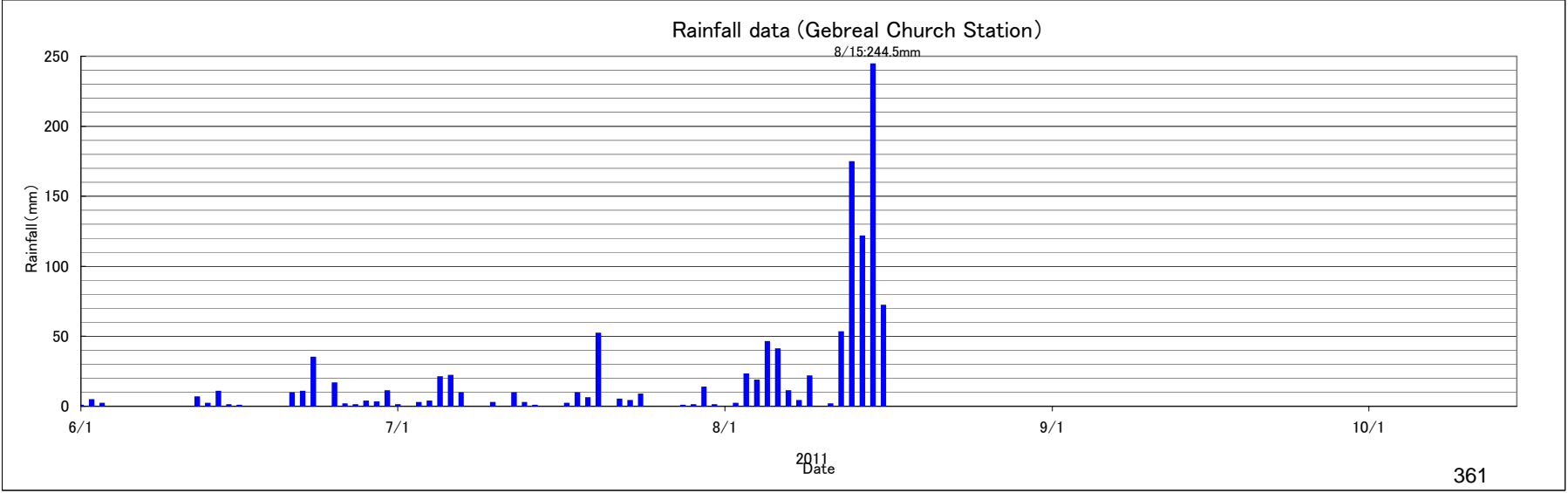
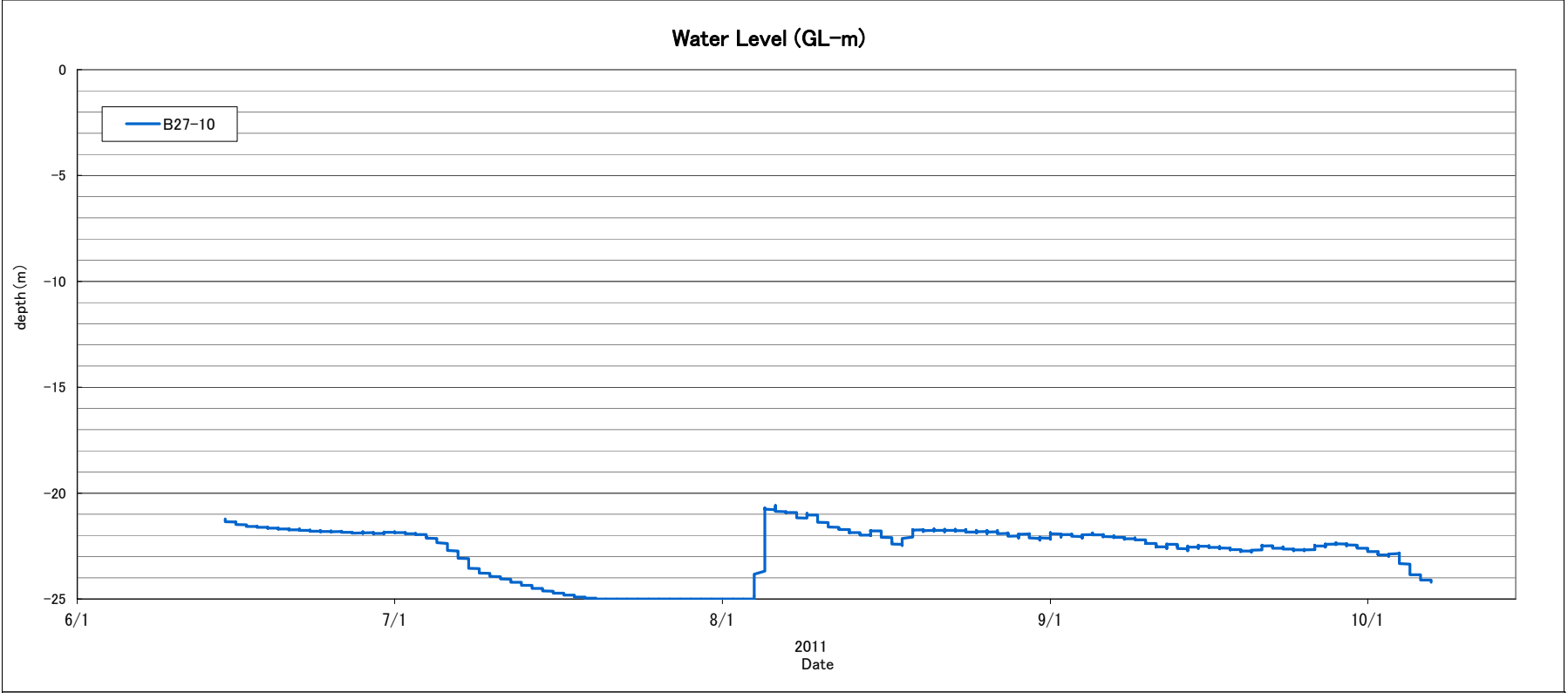
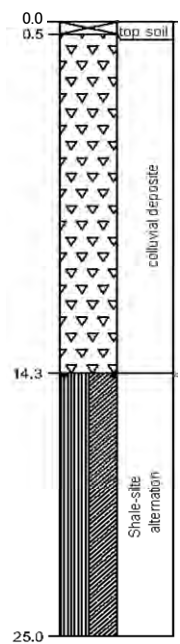


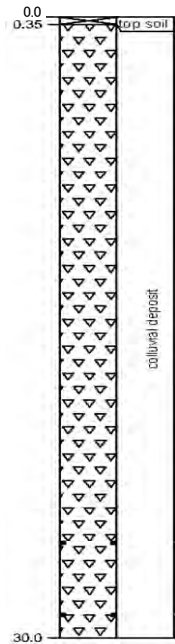
Water Level (GL-m)



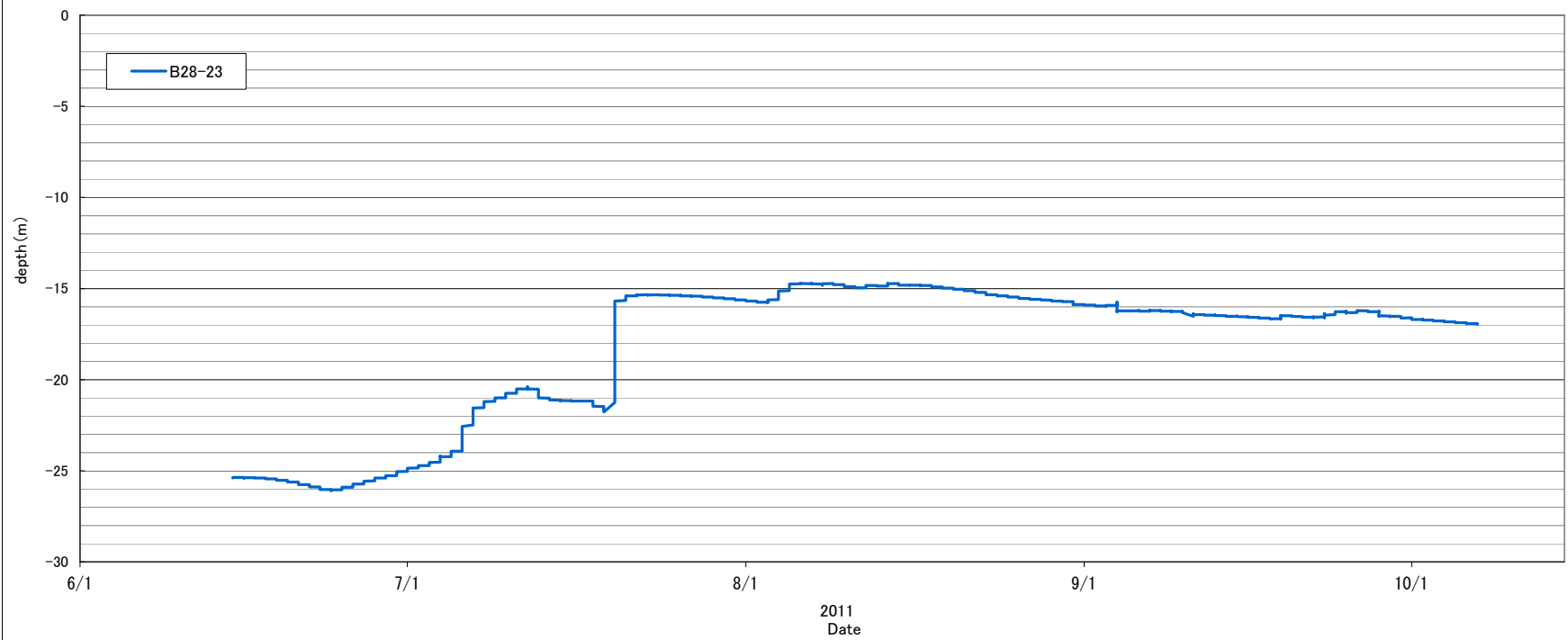
Rainfall data (Gebreal Church Station)



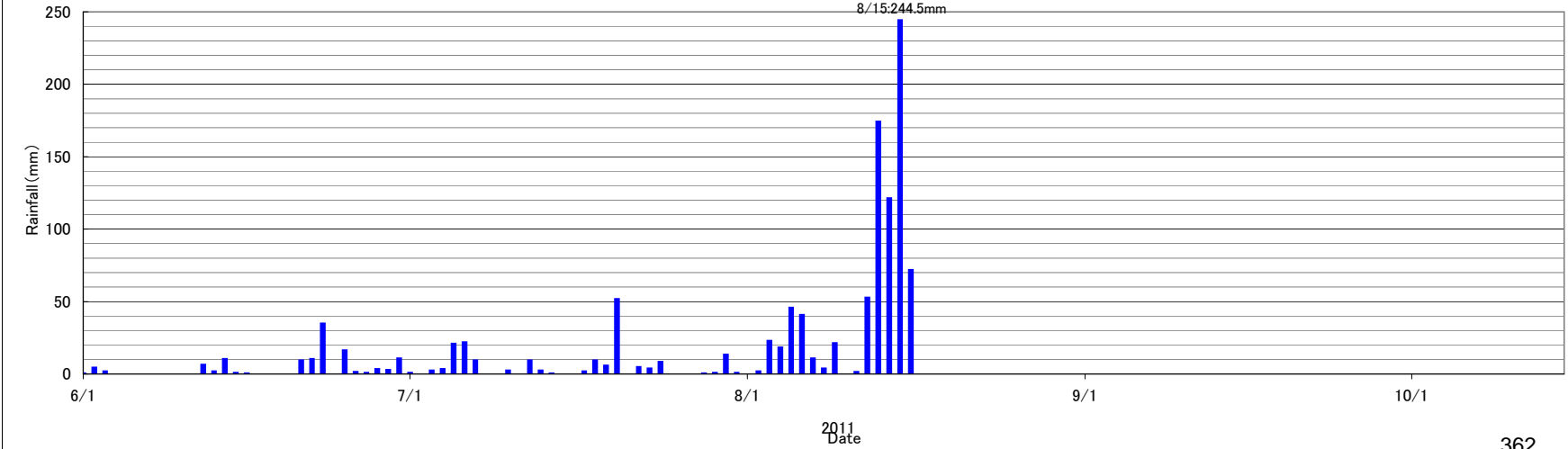




Water Level (GL-m)



Rainfall data (Gebreal Church Station)



13. Photo of monitoring condition

<Monitoring Conditions>



2011. 8.17
data acquisition situation
from Extensometer No.1



2011. 8.19
B00-11
data acquisition situation
from Borehole extensometer



2011. 8.19
B00-13
depth water table is “GL-
18.00m”

<Monitoring Conditions>



2011. 8.19
B00-14(New Borehole)
data acquisition situation
from Automatic-recording
water level meter



2011. 8.19
B00-21
data acquisition situation
from Automatic-recording
water level meter



2011. 8.19
B00-22
Borehole inclinometer
measurement impossibility

<Monitoring Conditions>



2011. 8.17
data acquisition situation
from Extensometer No.2



2011. 8.17
data acquisition situation
from Extensometer No.3



2011. 8.18
B05-11
data acquisition situation
from Borehole extensometer

<Monitoring Conditions>



2010. 8.19
B05-12
data acquisition situation
from automatic-recording
water level meter



2011. 8.16
B05-13(New Borehole)
data acquisition situation
from automatic-recording
water level meter



2011. 8.16
B05-13(New Borehole)
data acquisition situation
from Borehole inclinometer

<Monitoring Conditions>



2011. 8.17

B05-21

Borehole inclinometer

be packed(measurement impossibility)



2011. 8.16

B05-22

data acquisition situation from Borehole inclinometer



2011. 8.16

B05-23(New Borehole)

data acquisition situation from Borehole inclinometer

<Monitoring Conditions>



2011. 8.16
B05-31
data acquisition situation
from automatic-recording
water level meter



2011. 8.16
Abay Bridge
data acquisition situation
from Rain Gauge



2011. 8.17
B22-11
Borehole inclinometer
be packed(measurement
inpossibility)

<Monitoring Conditions>



2011. 8.17
data acquisition situation
from Extensometer No.4



2011. 8.17
data acquisition situation
from Extensometer No.5



2011. 8.17
B27-09(New Borehole)
data acquisition situation
from automatic-recording
water level meter

<Monitoring Conditions>



2011. 8.16
B27-10(New Borehole)
data acquisition situation
from automatic-recording
water level meter



2011. 8.16
B27-11
Borehole inclinometer
measurement impossibility d
ePTH is "GL-8.30m"



2011. 8.16
B27-12
data acquisition situation
from Borehole inclinometer

<Monitoring Conditions>



2011. 8.16
B27-21
data acquisition situation
from automatic-recording
water level meter



2011. 8.16
B27-22
Borehole inclinometer
measurement impossibility d
ePTH is "GL-14.60m"



2011. 8.16
B27-23
water level meter
steal recording medium

<Monitoring Conditions>



2011. 8.17
data acquisition situation
from Extensometer No.6



2011. 8.16
B28-11
Borehole inclinometer
measurement impossibility depth is "GL-14.70m"



2011. 8.16
B28-13(New Borehole)
Borehole inclinometer
measurement impossibility depth is "GL-9.60m"

<Monitoring Conditions>



2011. 8.16
B28-21
water level meter
steal recording medium



2011. 8.16
B28-23(New Borehole)
data acquisition situation
from automatic-recording
water level meter



2011. 8.16
B28-31
Borehole inclinometer
measurement impossibility d
ePTH is "GL-12.90m"

<Monitoring Conditions>



2011. 8.16
B28-32
Borehole inclinometer
Broken Borehole



2011. 8.16
B28-41
data acquisition situation
from Borehole inclinometer



2011. 8.16
Church
data acquisition situation
from Rain Gauge

<Monitoring Conditions>



2011. 9. 5
data acquisition situation
from Extensometer No.1



2011. 9. 5
B00-11
data acquisition situation
from Borehole extensometer



2011. 9. 5
B00-14
data acquisition situation
from Automatic-recording
water level meter

<Monitoring Conditions>



2011. 9. 5
B00-21
data acquisition situation
from Automatic-recording
water level meter



2011. 9. 5
data acquisition situation
from Extensometer No.2



2011. 9. 5
data acquisition situation
from Extensometer No.3

<Monitoring Conditions>



2011. 9. 5
B05-11
data acquisition situation
from Borehole extensometer



2011. 9. 5
B05-12
data acquisition situation
from Automatic-recording
water level meter



2011. 9. 5
B05-13(New Borehole)
data acquisition situation
from Automatic-recording
water level meter

<Monitoring Conditions>



2011. 9. 6
B05-13(New Borehole)
data acquisition situation
from Borehole inclinometer



2011. 9. 5
B05-22
data acquisition situation
from Borehole inclinometer



2011. 9. 6
B05-23(New Borehole)
data acquisition situation
from Borehole inclinometer

<Monitoring Conditions>



2011. 9. 5
B05-31
data acquisition situation
from automatic-recording
water level meter



2011. 9. 6
Abay Bridge
data acquisition situation
from Rain Gauge



2011. 9. 6
data acquisition situation
from Extensometer No.4

<Monitoring Conditions>



2011. 9. 6
data acquisition situation
from Extensometer No.5



2011. 9. 6
B27-09(New Borehole)
data acquisition situation
from automatic-recording
water level meter
water pressure sensor is
borked



2011. 9. 6
B27-10(New Borehole)
data acquisition situation
from automatic-recording
water level meter

<Monitoring Conditions>



2011. 9. 6
B27-12
data acquisition situation
from Borehole inclinometer



2011. 9. 6
B27-21
data acquisition situation
from automatic-recording
water level meter



2011. 9. 6
data acquisition situation
from Extensometer No.6

<Monitoring Conditions>



2011. 9. 6
B28-23
data acquisition situation
from automatic-recording
water level meter



2011. 9. 6
B28-41
Borehole inclinometer



2011. 9. 6
Church
data acquisition situation
from Rain Gauge

<Monitoring Conditions>



2011.10. 8
data acquisition situation
from Extensometer No.1



2011.10. 8
B00-11
data acquisition situation
from Borehole extensometer



2011.10. 7
B00-14
data acquisition situation
from Automatic-recording
water level meter

<Monitoring Conditions>



2011.10. 7
B00-21
data acquisition situation
from Automatic-recording
water level meter



2011.10. 7
data acquisition situation
from Extensometer No.2



2011.10. 7
data acquisition situation
from Extensometer No.3

<Monitoring Conditions>



2011.10. 8
B05-11
data acquisition situation
from Borehole extensometer



2011.10. 8
B05-12
data acquisition situation
from Automatic-recording
water level meter



2011.10. 7
B05-13(New Borehole)
data acquisition situation
from Automatic-recording
water level meter

<Monitoring Conditions>



2011.10. 7
B05-13(New Borehole)
data acquisition situation
from Borehole inclinometer



2011.10. 7
B05-22
data acquisition situation
from Borehole inclinometer



2011.10. 7
B05-23(New Borehole)
data acquisition situation
from Borehole inclinometer

<Monitoring Conditions>



2011.10. 7
B05-31
data acquisition situation
from automatic-recording
water level meter



2011.10. 8
data acquisition situation
from Extensometer No.4



2011.10. 8
data acquisition situation
from Extensometer No.5

<Monitoring Conditions>



2011.10. 8
B27-10(New Borehole)
data acquisition situation
from automatic-recording
water level meter



2011.10. 8
B27-12
data acquisition situation
from Borehole inclinometer



2011.10. 8
B27-21
data acquisition situation
from automatic-recording
water level meter

<Monitoring Conditions>



2011.10. 8
data acquisition situation
from Extensometer No.6



2011.10. 8
B28-23
data acquisition situation
from automatic-recording
water level meter



2011.10. 8
B28-41
Borehole inclinometer

