

# LAMPIRAN

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C:\cygwin\home\MJHD\MOROWAL\run3c - backup\bmkgsc.data - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
bmkgsc.data [3]
1 Event:
2 Public ID bmkg2017kbcrc
3 Preferred Origin ID Origin#20170524203716.897517.78593
4 Preferred Magnitude ID Magnitude#20170524095641.263493.18140
5 Description:
6 region name: Sulawesi, Indonesia
7 Creation time 2017-05-24 09:11:45
8
9 Origin:
10 Public ID Origin#20170524203716.897517.78593
11 Date 2017-05-24
12 Time 09:10:15.5 +/- 0.2 s
13 Latitude -2.78 deg +/- 1 km
14 Longitude 122.19 deg +/- 1 km
15 Depth 12 km +/- 1 km (5 depth phases)
16 Agency BMKG
17 Author sysop@sc-gui-prod.tews
18 Mode manual
19 Status confirmed
20 Creation time 2017-05-24 20:37:16
21 Residual RMS 1.28 s
22 Azimuthal gap 17 deg
23
24 8 Network magnitudes:
25 mb 5.67 +/- 0.20 107 BMKG
26 mB 6.12 +/- 0.18 93 BMKG
27 Mw (mB) 5.77 +/- 0.40 93 BMKG
28 MLV 6.00 +/- 0.22 30 BMKG
29 Mwp 5.63 +/- 0.10 54 BMKG
30 Mw (Mwp) 5.44 +/- 0.40 54 BMKG
31 M 5.66 107 BMKG
32 Mw 5.60 97 preferred BMKG
33
34 175 Phase arrivals:
35 sta net dist azi phase time res wt sta
36 KFSI IA 1.5 201 F 09:10:39.3 -2.3 M 1.0 KFSI
37 KFSI IA 1.5 201 S 09:10:59.3 -2.0 M 1.0 KFSI
38 LUMI IA 1.8 19 F 09:10:46.6 -0.1 M 1.0 LUMI
39 SFSI IA 2.7 244 F 09:10:57.3 -1.3 M 1.0 SFSI
40 SFSI IA 2.7 244 S 09:11:29.0 -2.8 M 1.0 SFSI

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## Lampiran 1 Format Data Seiscomp3

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C:\cygwin\home\MJHD\MOROWAL\run3c - backup\mjhd.data - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
mjhd.data [3]
1 1 2017 524 910 15.5000 -2.7800 122.1900 12.0000 5.6000 175
2 KFSI 39.30 -2.30 1.50 201.0
3 KFSI# 59.30 -2.00 1.50 201.0
4 LUMI 46.60 -0.10 1.80 19.0
5 SFSI 57.30 -1.30 2.70 244.0
6 SFSI# 89.00 -2.80 2.70 244.0
7 MRSI 65.70 -0.60 3.20 356.0
8 MRSI# 103.40 -2.50 3.20 356.0
9 BKSI 65.20 -1.20 3.30 219.0
10 BKSI# 104.80 -1.20 3.30 219.0
11 KAPI 65.40 -1.50 3.30 228.0
12 KAPI# 105.50 -1.40 3.30 228.0
13 PMSI 65.70 -1.90 3.30 258.0
14 GTOI 70.90 -0.00 3.60 11.0
15 GTOI# 111.10 -3.20 3.60 11.0
16 MKS 70.60 -1.00 3.60 228.0
17 MKS# 116.00 0.60 3.60 228.0
18 BSSI 72.10 -1.00 3.70 207.0
19 SMSI 75.10 -0.10 3.80 3.0
20 KMSI 74.40 0.70 3.80 28.0
21 MPSI 75.10 -1.60 3.90 324.0
22 SANI 72.00 -2.80 3.90 79.0
23 TOLL2 78.30 0.00 4.10 340.0
24 TMSI 90.80 2.00 4.90 34.0
25 NLAI 90.50 1.10 4.90 95.0
26 BKB 97.50 -0.30 5.50 287.0
27 OBMI 98.60 -0.60 5.60 75.0
28 LBMI 100.40 0.00 5.70 68.0
29 MMRI 100.50 -1.10 5.80 180.0
30 AIKI 100.60 -1.30 5.80 156.0
31 EDFI 101.90 -1.60 5.90 185.0
32 AAI 106.40 1.40 6.10 99.0
33 KRAI 109.80 2.50 6.20 95.0
34 TNII 107.80 -0.10 6.30 56.0
35 ANII 112.90 -2.20 6.80 157.0
36 DBNI 116.40 0.30 6.90 214.0
37 SOEI 124.00 3.00 7.20 163.0
38 GLMI 120.80 -0.50 7.20 51.0
39 SGSI 121.40 0.20 7.20 27.0
40 WBSI 122.30 -0.50 7.40 202.0

```

## Lampiran 2 Format Data MJHD

C:\cygwin\home\MJHD\MOROWALI\run3c - backup\mjhd.out1 - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

1 mjhd.out1

	NO	Y	M	D	H	M	SEC	DT	X	DX	Y	DY	Z	DZ	MAG	N	STD
1	17	524091	01	15	50	0.00	122.1900	0.0000	-2.7800	0.0000	12.00	0.00	5.6	22	1.390		
2	17	524092	03	08	00	0.00	122.0500	0.0000	-2.7600	0.0000	19.00	0.00	4.2	14	5.516		
3	17	524103	52	9.40	0.00	122.1500	0.0000	-2.8300	0.0000	17.00	0.00	3.6	13	0.891			
4	17	524114	60	6.30	0.00	122.1400	0.0000	-2.8300	0.0000	20.00	0.00	3.6	16	0.893			
5	17	524125	10	8.00	0.00	122.1200	0.0000	-2.8300	0.0000	15.00	0.00	3.5	16	0.767			
6	17	524131	85	6.80	0.00	122.1100	0.0000	-2.8100	0.0000	19.00	0.00	4.1	22	1.047			
7	17	524135	42	1.30	0.00	122.1200	0.0000	-2.8100	0.0000	19.00	0.00	4.2	23	1.180			
8	17	525190	30	9.40	0.00	122.1900	0.0000	-2.8400	0.0000	10.00	0.00	3.9	18	0.989			
9	17	525221	93	4.50	0.00	122.1200	0.0000	-2.8300	0.0000	16.00	0.00	3.7	19	0.924			
10	17	525232	54	1.00	0.00	122.1100	0.0000	-2.7900	0.0000	29.00	0.00	4.7	23	1.083			
11	17	526105	85	8.70	0.00	122.0700	0.0000	-2.8300	0.0000	23.00	0.00	3.3	12	0.541			
12	17	526190	45	5.00	0.00	122.0100	0.0000	-2.7500	0.0000	26.00	0.00	3.2	14	0.646			
13	17	527164	50	1.70	0.00	121.8800	0.0000	-2.8200	0.0000	23.00	0.00	4.0	24	1.091			
14	17	528202	34	0.20	0.00	122.2100	0.0000	-2.7600	0.0000	10.00	0.00	4.1	19	1.032			
15	17	528090	32	27.90	0.00	122.0900	0.0000	-2.7800	0.0000	15.00	0.00	3.7	15	0.726			
16	17	601031	64	2.70	0.00	122.0900	0.0000	-2.8200	0.0000	11.00	0.00	4.4	21	2.759			
17	17	617142	83	48.80	0.00	121.7300	0.0000	-2.6300	0.0000	10.00	0.00	5.2	22	1.359			
18	17	617143	64	2.50	0.00	121.7200	0.0000	-2.6600	0.0000	14.00	0.00	4.2	15	1.202			
19	17	617143	73	8.50	0.00	121.7700	0.0000	-2.6200	0.0000	10.00	0.00	4.2	13	0.562			
20	17	617154	00	5.80	0.00	121.6900	0.0000	-2.6500	0.0000	10.00	0.00	4.0	16	1.341			
21	17	617160	44	0.60	0.00	121.7100	0.0000	-2.6300	0.0000	10.00	0.00	3.9	19	1.432			
22	17	617165	71	3.10	0.00	121.7200	0.0000	-2.6000	0.0000	18.00	0.00	4.2	23	1.318			
23	17	618180	12	2.10	0.00	121.8100	0.0000	-2.7000	0.0000	15.00	0.00	3.7	21	1.235			
24	17	618211	32	9.30	0.00	121.7800	0.0000	-2.6200	0.0000	10.00	0.00	3.7	17	1.125			
25	24	622110	90	8.40	0.00	121.8700	0.0000	-2.6700	0.0000	30.00	0.00	3.6	22	0.869			
26	17	622113	50	2.10	0.00	121.8200	0.0000	-2.6600	0.0000	21.00	0.00	3.4	17	0.917			
27	17	705090	21	3.00	0.00	121.8600	0.0000	-2.6400	0.0000	30.00	0.00	4.0	22	0.665			
28	17	705181	35	7.50	0.00	122.1700	0.0000	-2.8100	0.0000	22.00	0.00	3.6	15	0.631			

### Lampiran 3 Data Gempa Bumi Sebelum Relokasi

C:\cygwin\home\MJHD\MOROWALI\run3c - backup\mjhd.pn6 - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

1 mjhd.pn6

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*****
*
*   Modified Joint Hypocenter Determination (MJHD)
*
*
*   for Teleseismic Event
*
*
*   with Two Priors
*****

X0,Y0 = 122.190 -2.780

slope = 0.000 0.000 0.000
        If these are not zero, the centroid will change.

    AST      XST      YST      ZST      PHC      d      az
23  1  BKSI      120.12240    -5.32190    0.000    0.000    3.260    219.175
24  2  BSSI      120.49040    -6.14280    114.300    0.000    3.746    206.836
25  3  EDFI      121.69030    -8.74970    0.000    0.000    5.951    184.770
26  4  KKSI      121.65125    -4.17172    0.000    0.000    1.483    201.240
27  5  RMSI      123.89067    0.57454    0.000    0.000    3.741    27.056
28  6  LBMI      127.50082    -0.63789    0.000    0.000    5.719    68.252
29  7  MP8I      119.89800    0.33740    0.000    0.000    3.852    323.467
30  8  HRSI      121.94059    0.47708    0.000    0.000    3.245    355.590
31  9  OSMI      127.64440    -1.34140    0.000    0.000    5.635    75.419
32  10 PMSI      118.91490    -3.50080    0.000    0.000    3.948    257.564
33  11 SMSI      122.36540    0.98850    0.000    0.000    3.747    2.684
34  12 SFSI      119.76910    -3.96460    0.000    0.000    2.688    243.972
35  13 TMSI      124.92000    1.29480    0.000    0.000    4.882    34.025
36  14 LUWI      122.77164    -1.04181    0.000    0.000    1.822    18.618
37  15 SANI      125.98810    -2.04970    0.000    0.000    3.863    79.261
38  16 TOLI2     120.79446    1.12140    0.000    0.000    4.119    340.183
39  17 KAPI      119.75170    -5.01420    0.000    0.000    3.293    227.550
40  18 GTOI      122.87000    0.76280    0.000    0.000    3.584    10.943
    ..      ..      ..      ..      ..      ..      ..

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### Lampiran 4 Data Gempa Bumi Sesudah Relokasi

No.	Stasiun	Longitude (°)	Latitude (°)	Elevasi
1	BKSI	120.12240	-5.32190	0.000
2	BSSI	120.49040	-6.14280	114.300
3	EDFI	121.69030	-8.74970	0.000
4	KKSI	121.65125	-4.17172	0.000
5	KMSI	123.89067	0.57454	0.000
6	LBMI	127.50082	-0.63789	0.000
7	MPSI	119.89800	0.33740	0.000
8	MRSI	121.94059	0.47708	0.000
9	OBMI	127.64440	-1.34140	0.000
10	PMSI	118.91490	-3.50080	0.000
11	SMSI	122.36540	0.98850	0.000
12	SPSI	119.76910	-3.96460	0.000
13	TMSI	124.92000	1.29480	0.000
14	LUWI	122.77164	-1.04181	0.000
15	SANI	125.98810	-2.04970	0.000
16	TOLI2	120.79446	1.12140	0.000
17	KAPI	119.75170	-5.01420	0.000
18	GTOI	122.87000	0.76280	0.000
19	MMSI	118.90900	-2.68920	0.000
20	KKSI <sub>s</sub>	121.65125	-4.17172	0.000
21	MRSI <sub>s</sub>	121.94059	0.47708	0.000
22	SMSI <sub>s</sub>	122.36540	0.98850	0.000

23	SPSIs	119.76910	-3.96460	0.000
24	LUWIs	122.77164	-1.04181	0.000
25	TOLI2s	120.79446	1.12140	0.000
26	GTOIs	122.87000	0.76280	0.000

**Lampiran 5** Data Stasiun yang digunakan dalam Relokasi