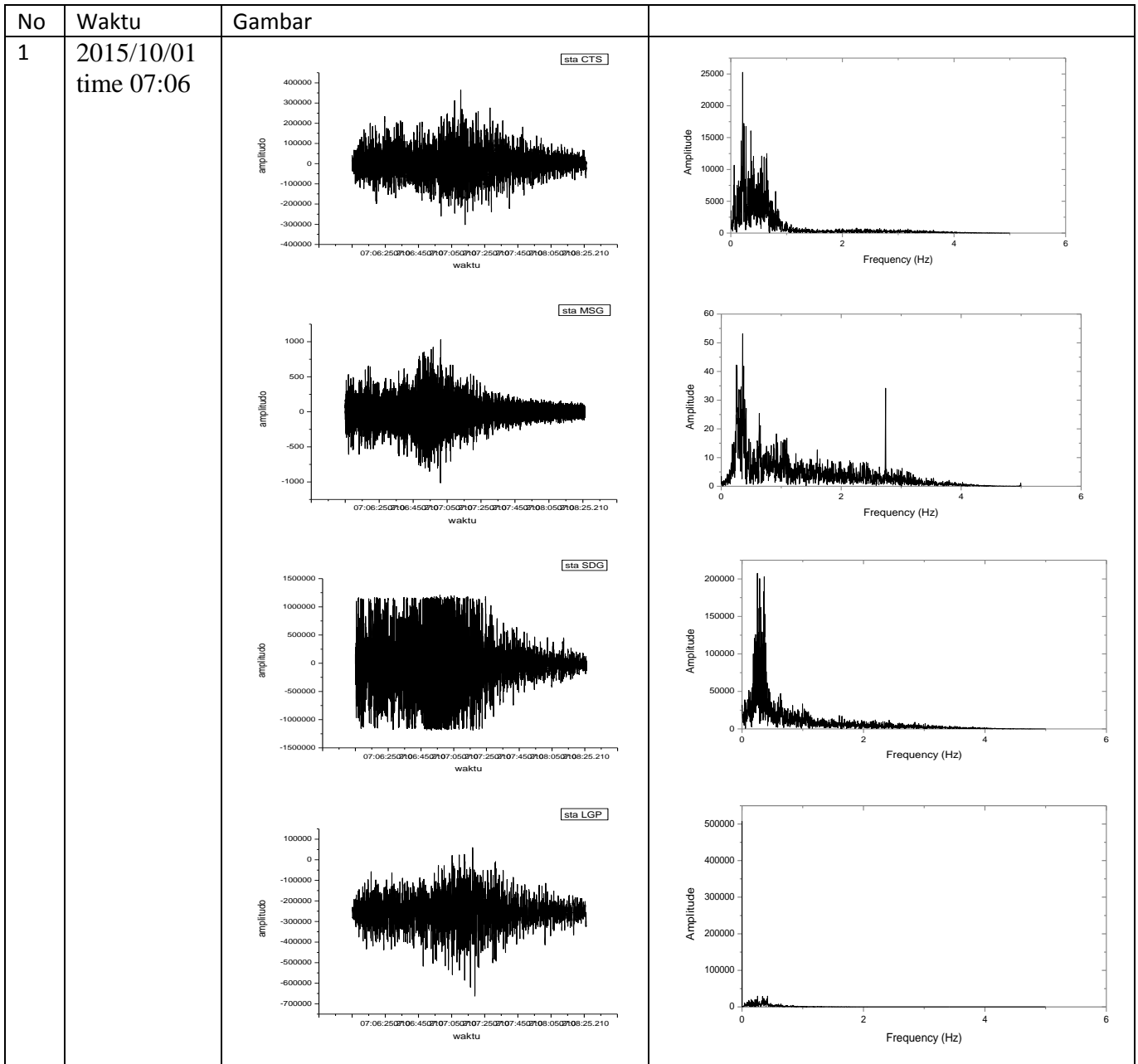


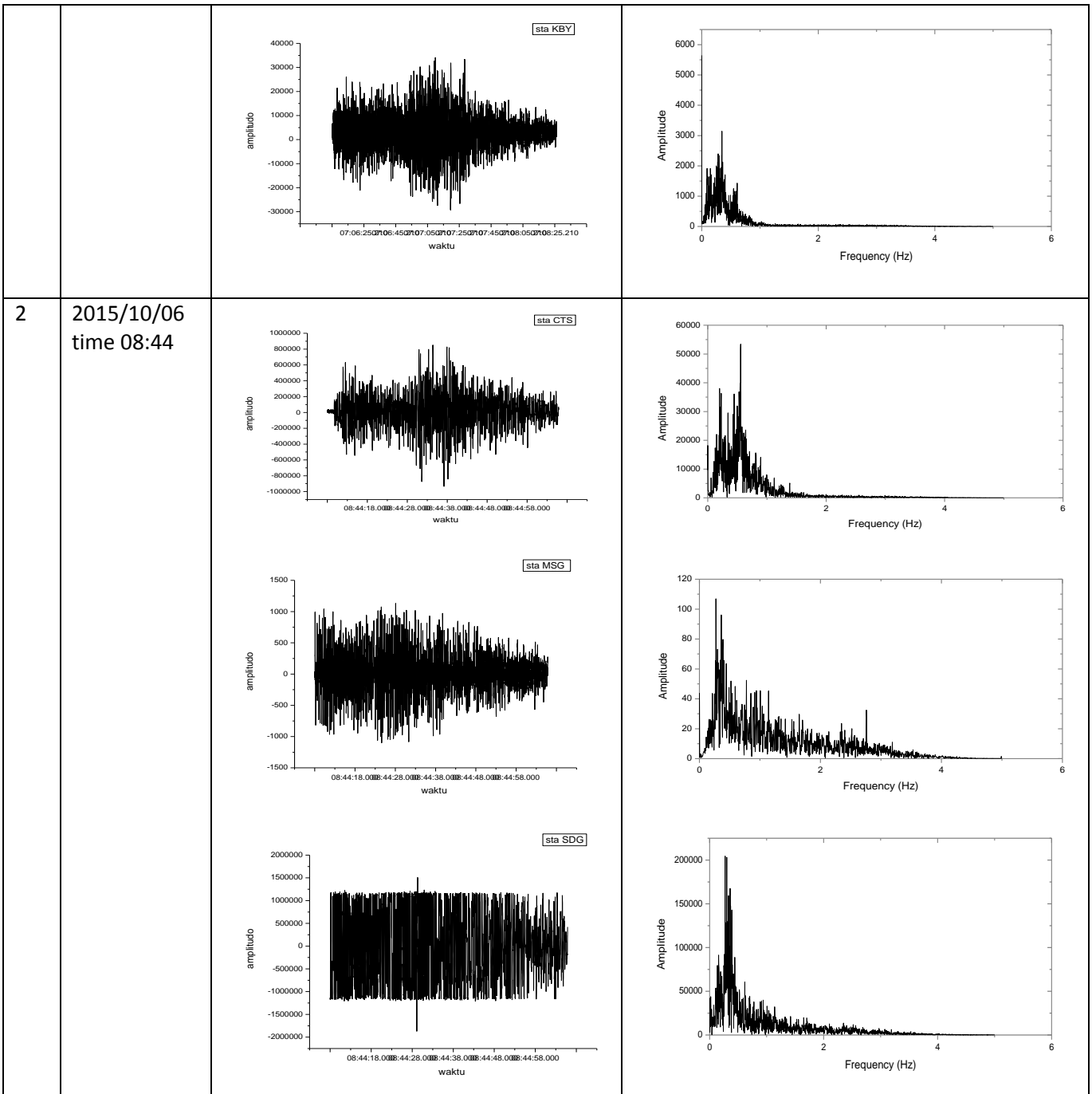
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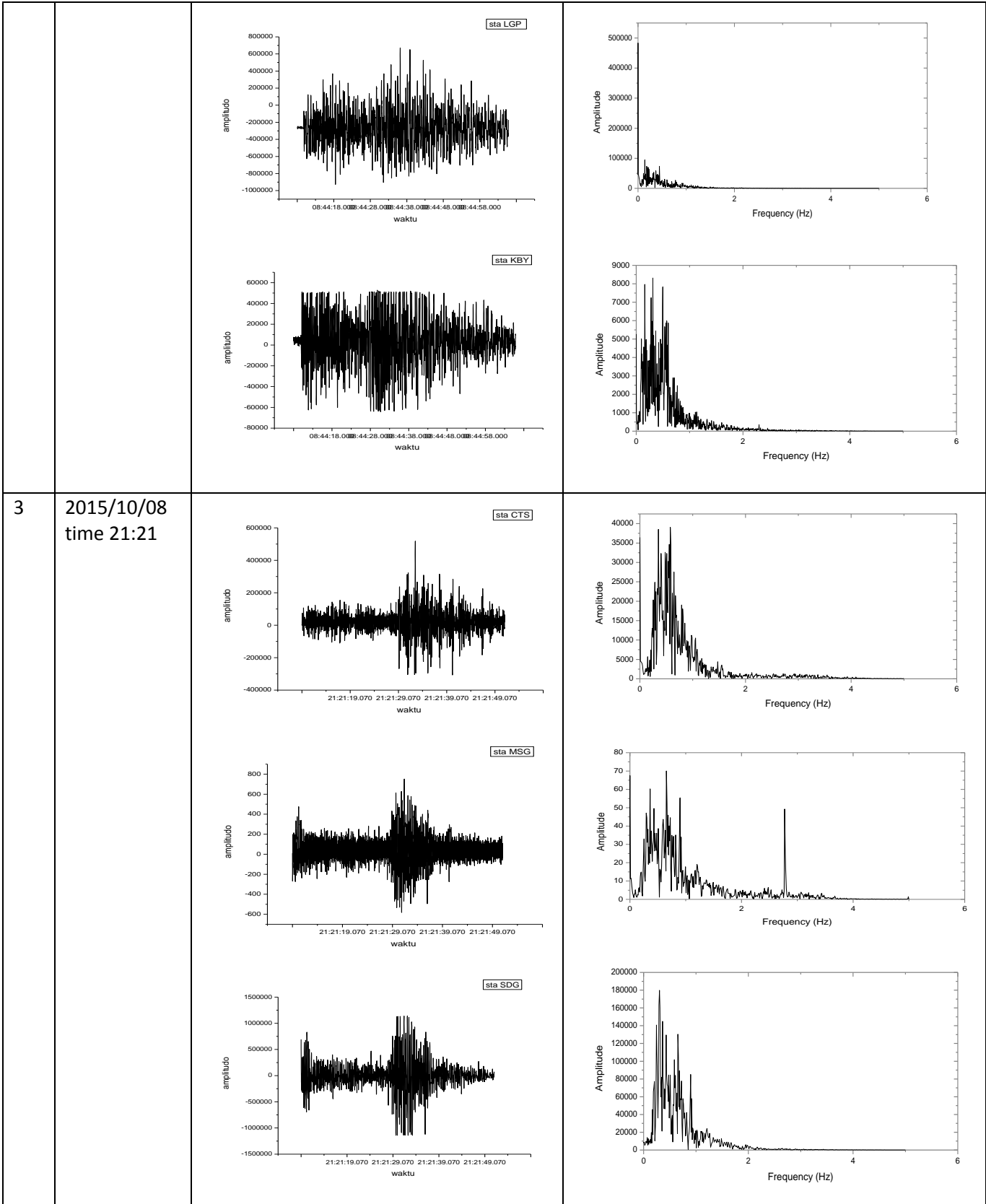
Ria Sulistiawan, 2016

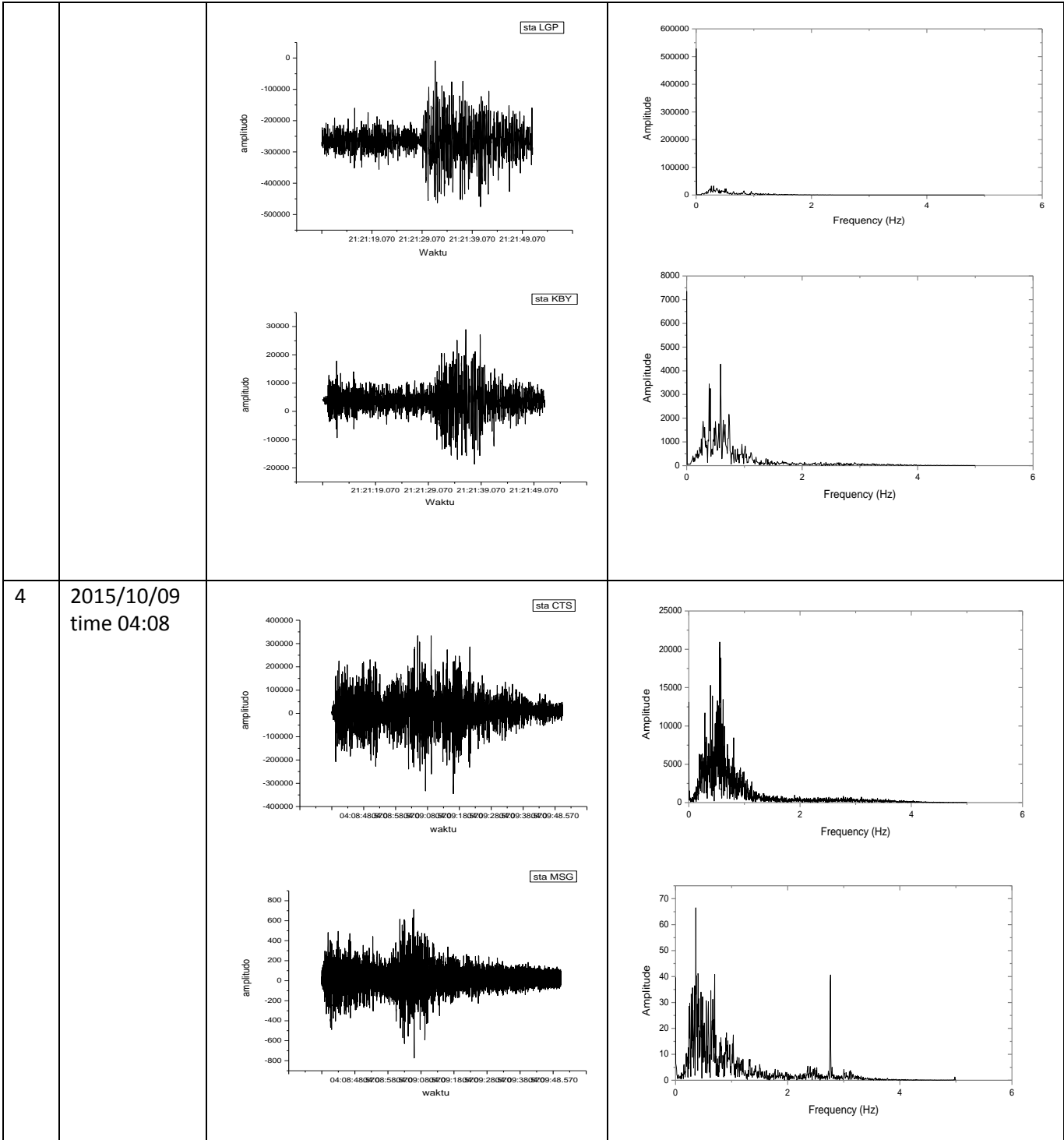
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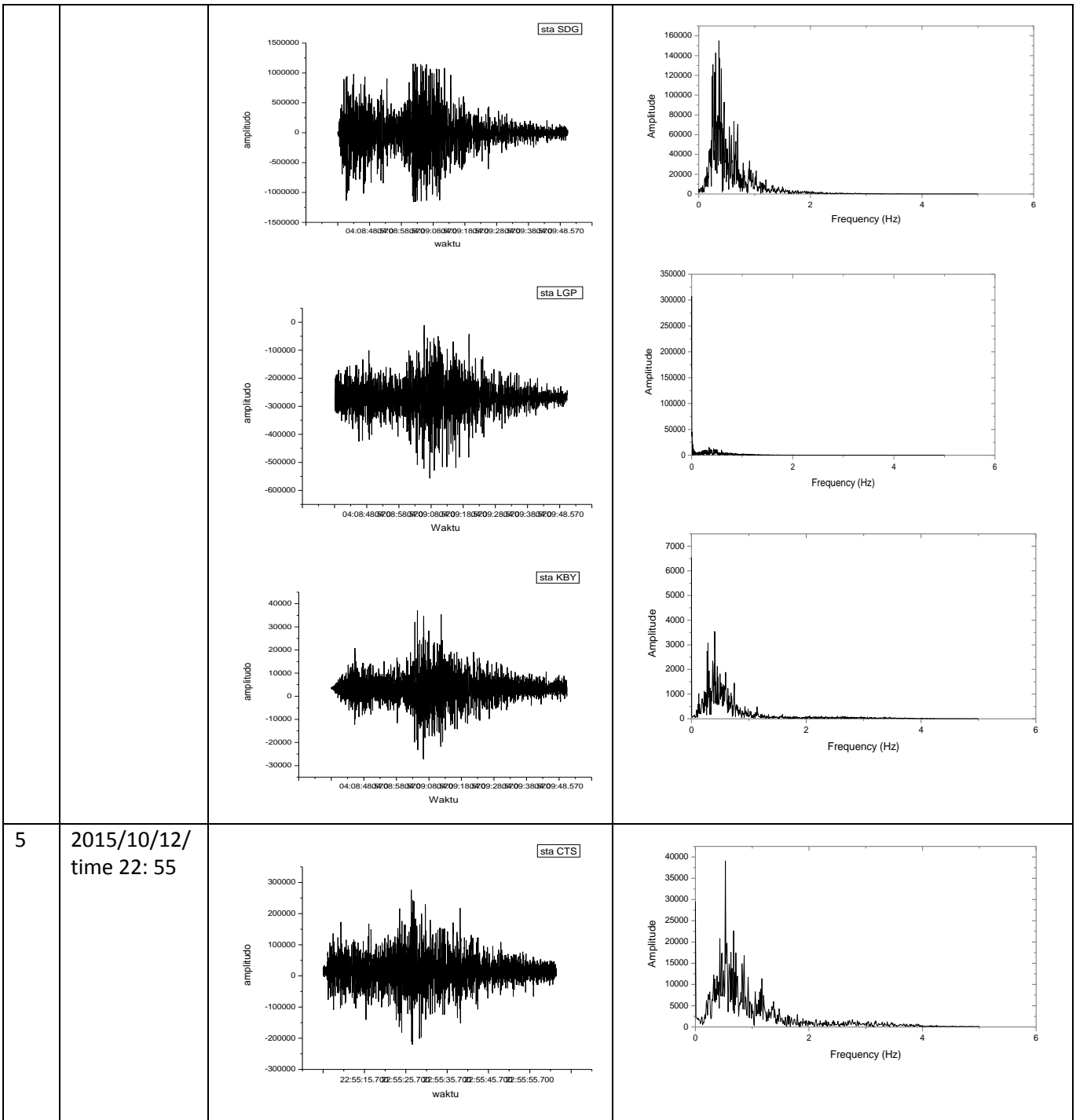
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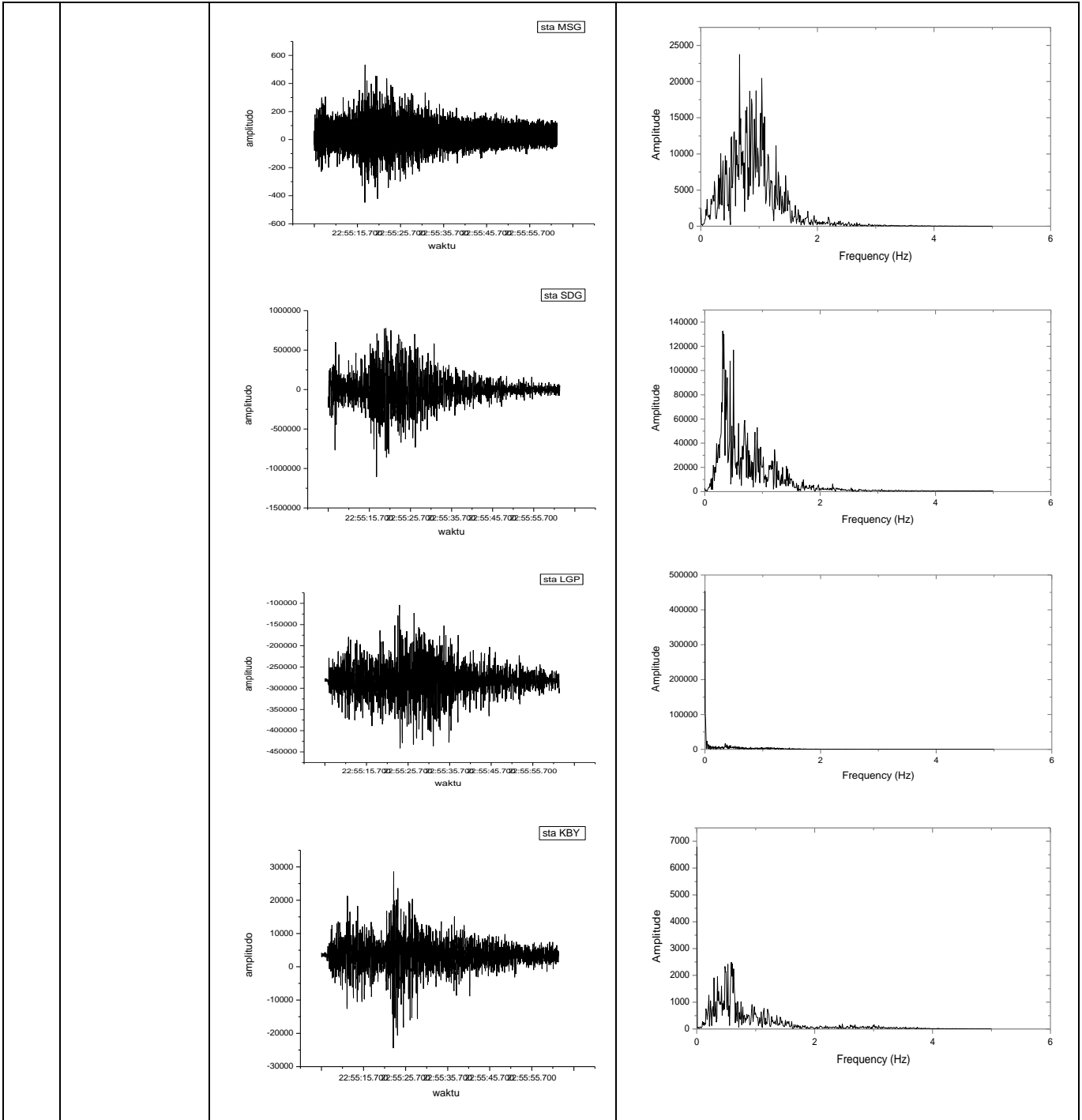
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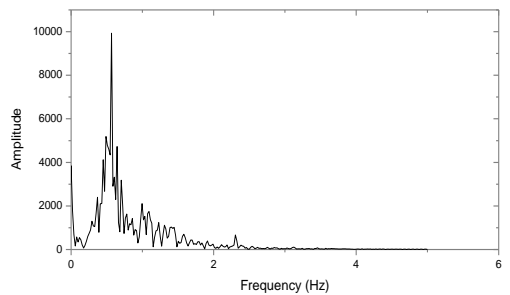
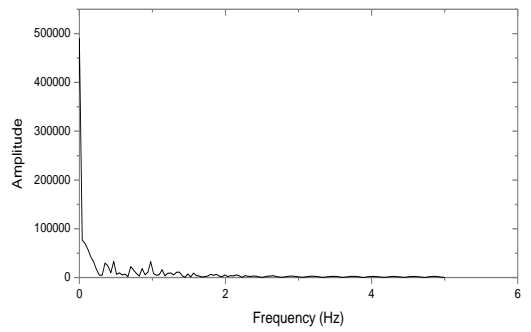
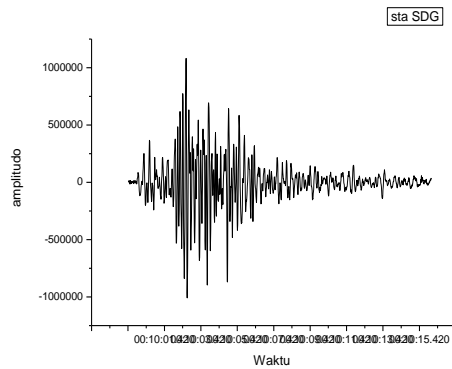
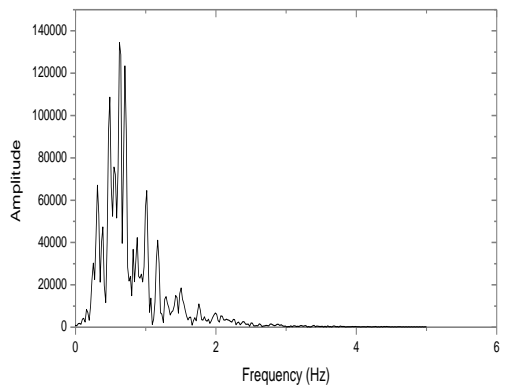
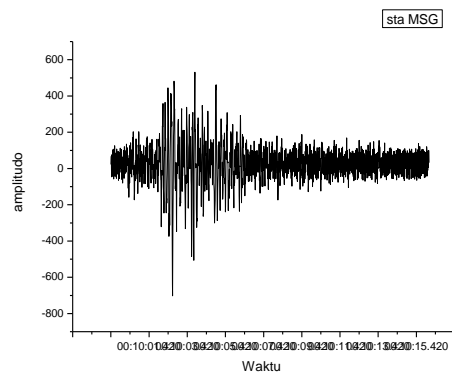
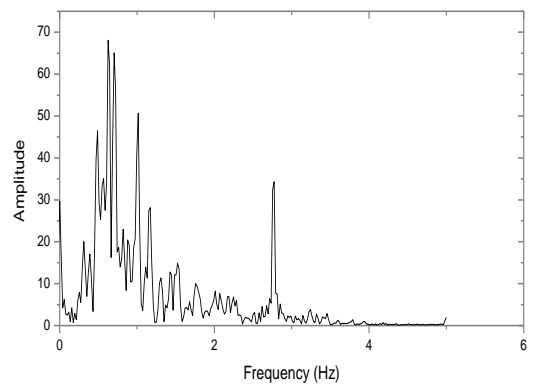
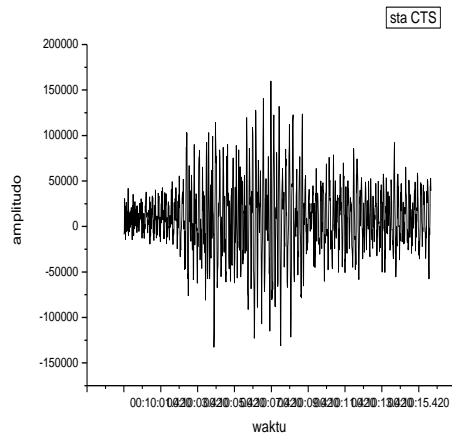


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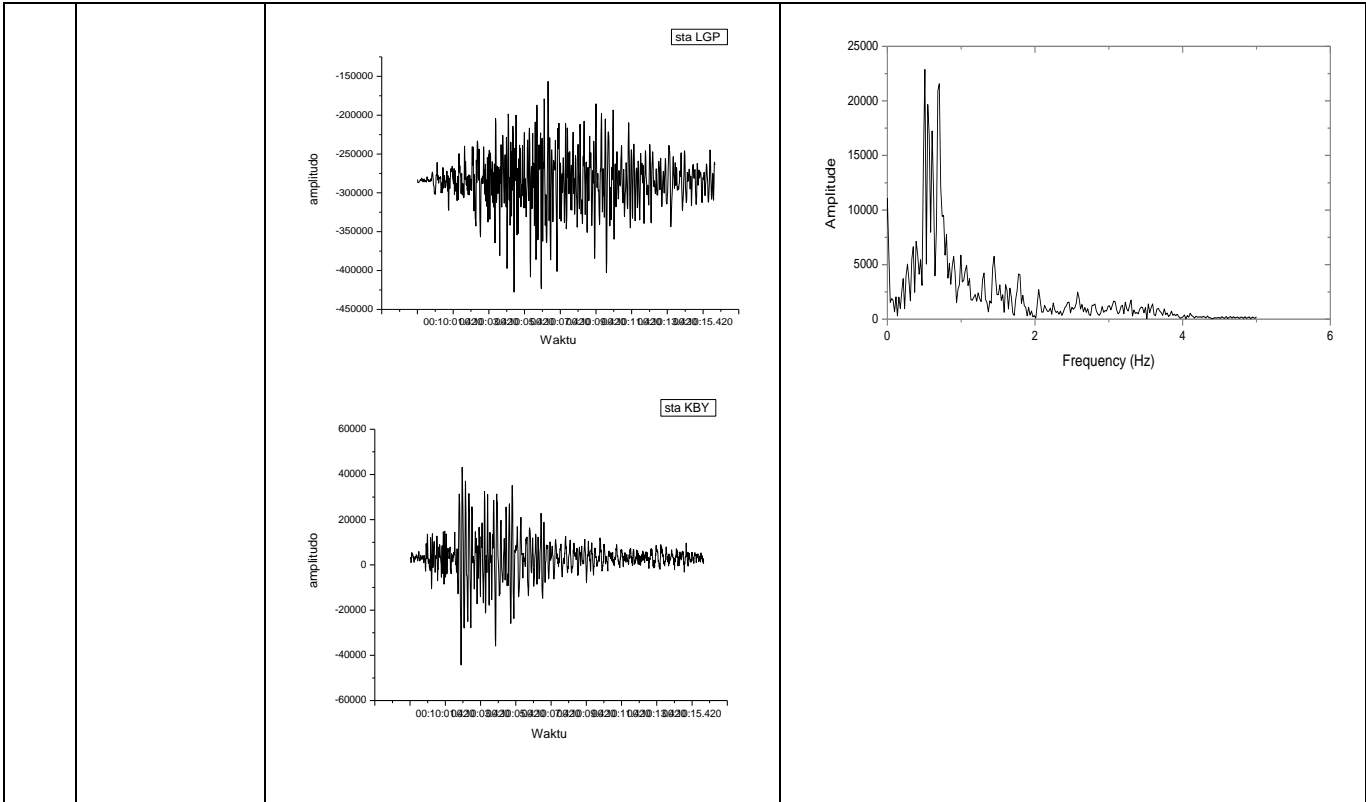
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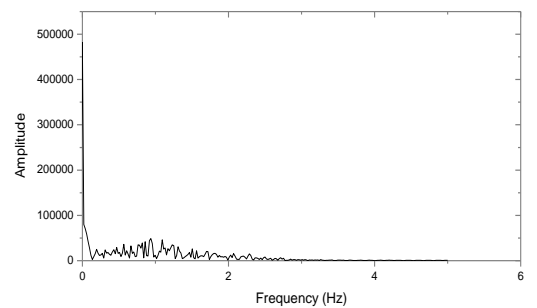
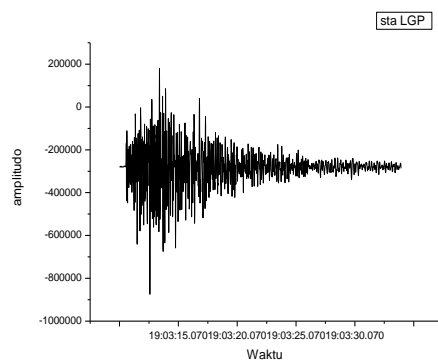
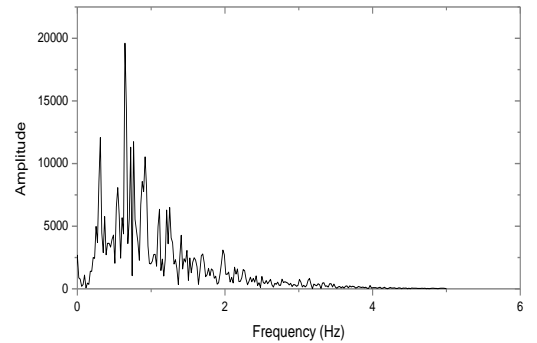
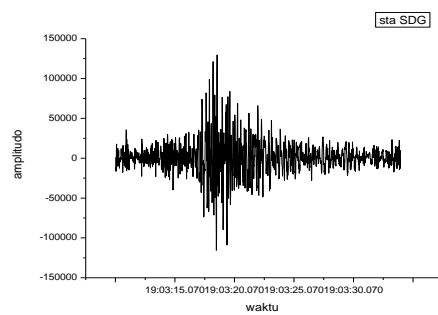
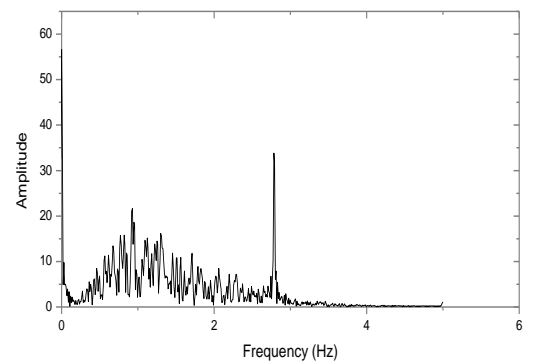
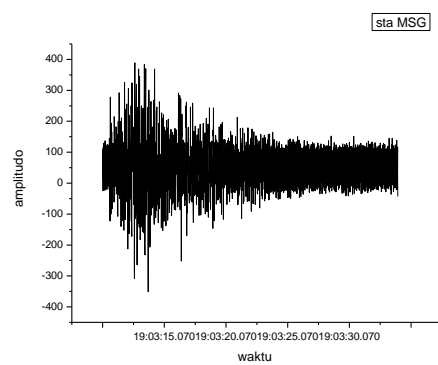
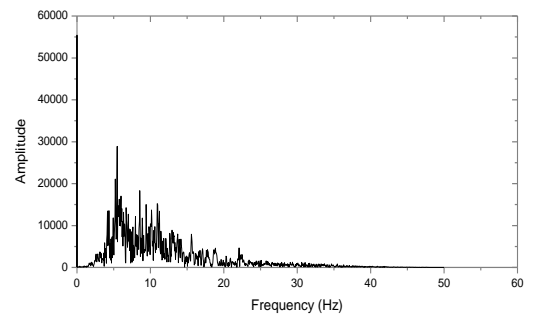
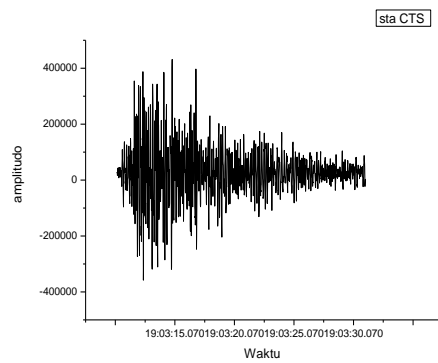


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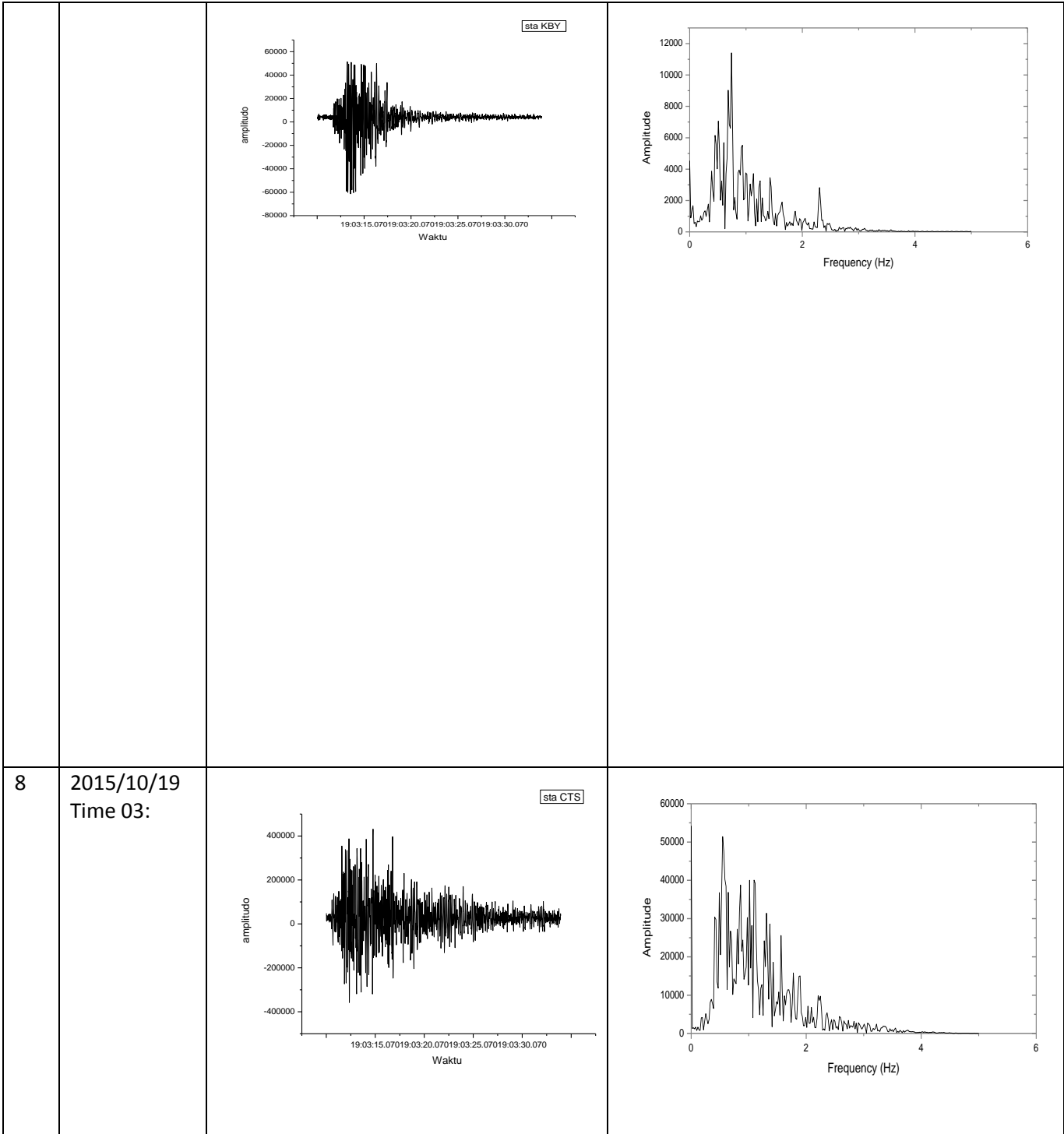


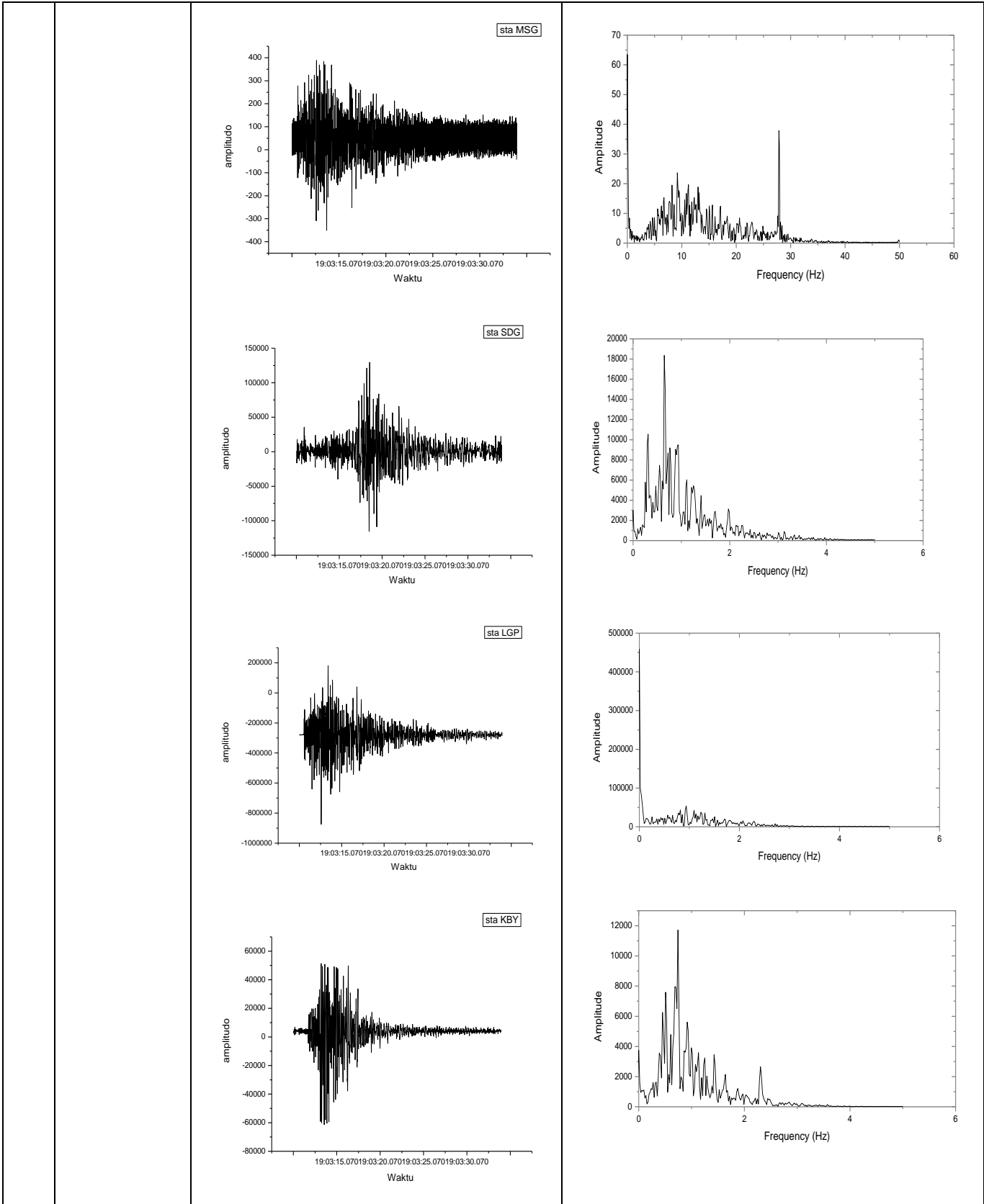
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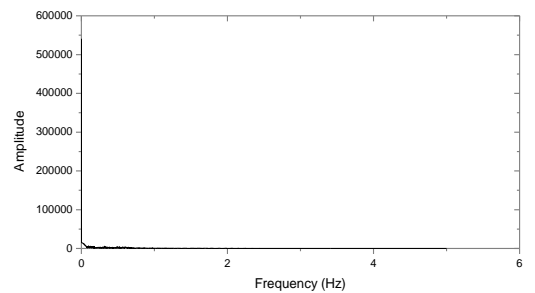
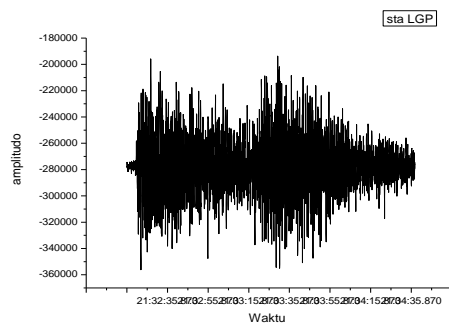
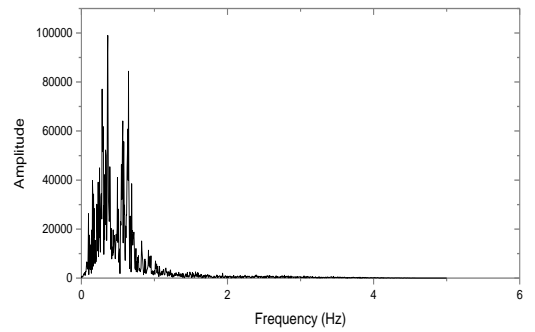
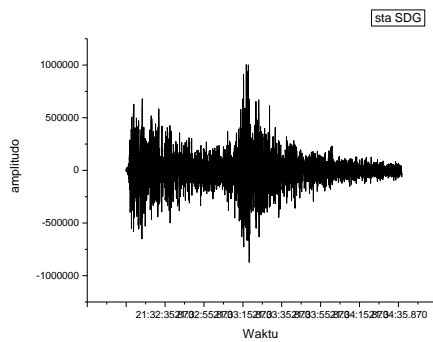
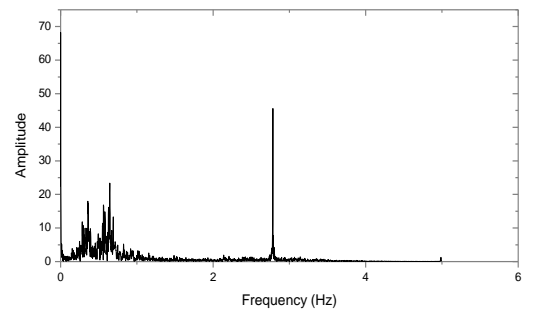
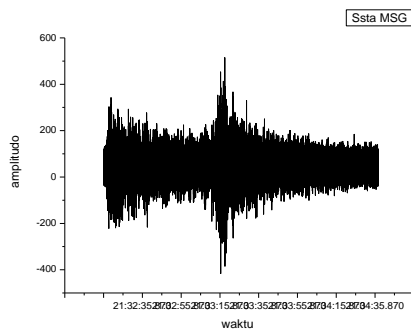
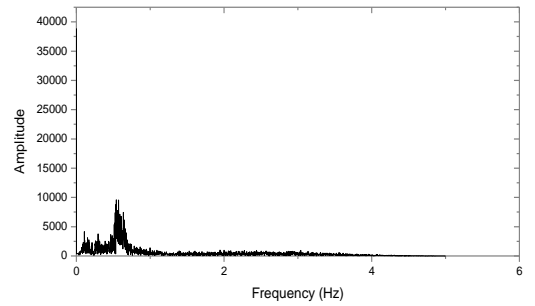
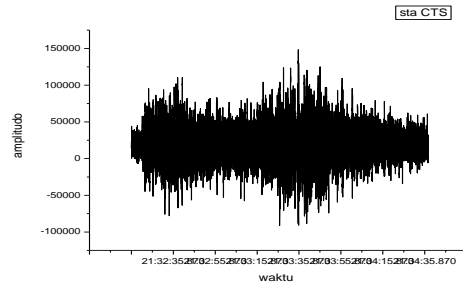
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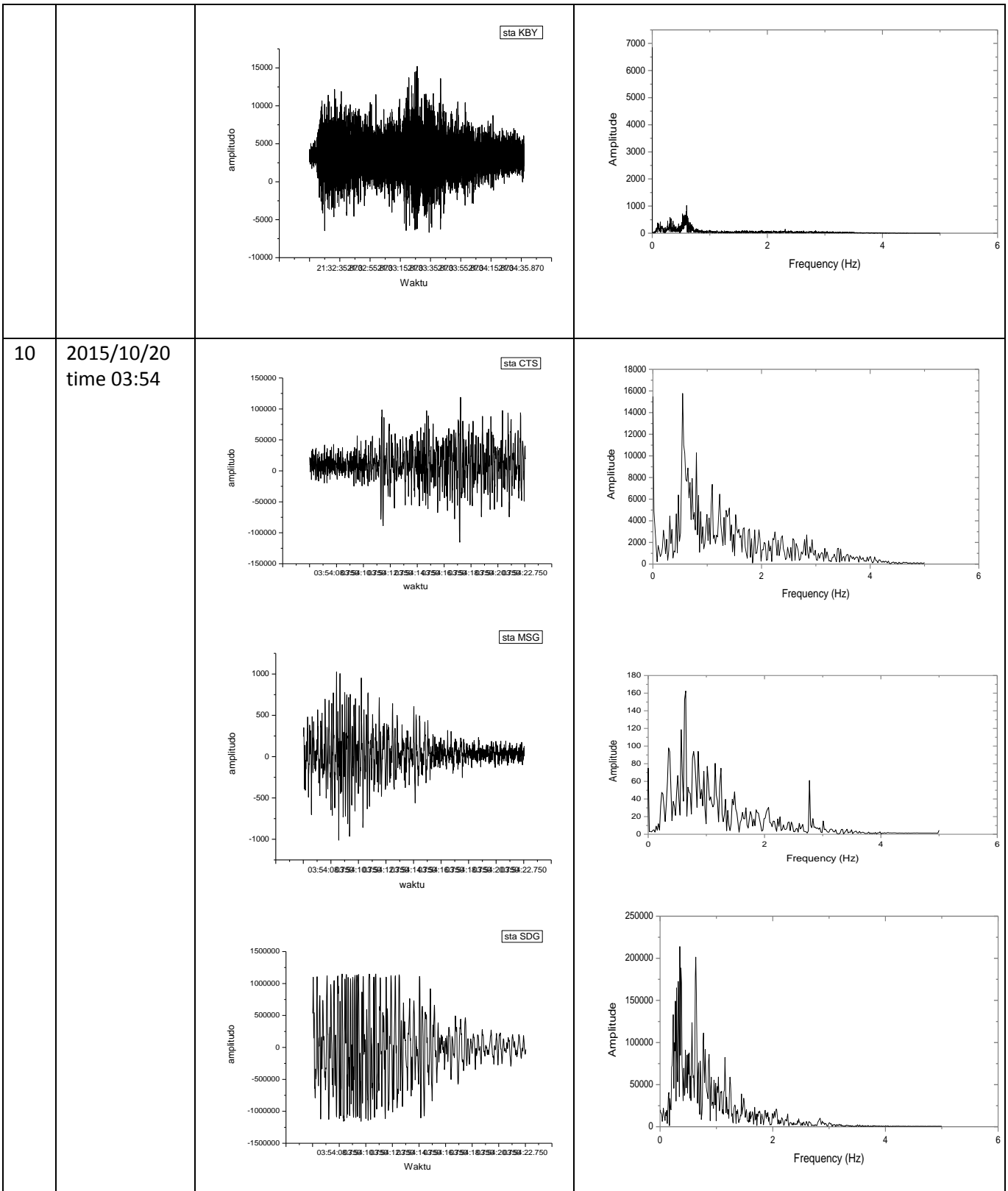




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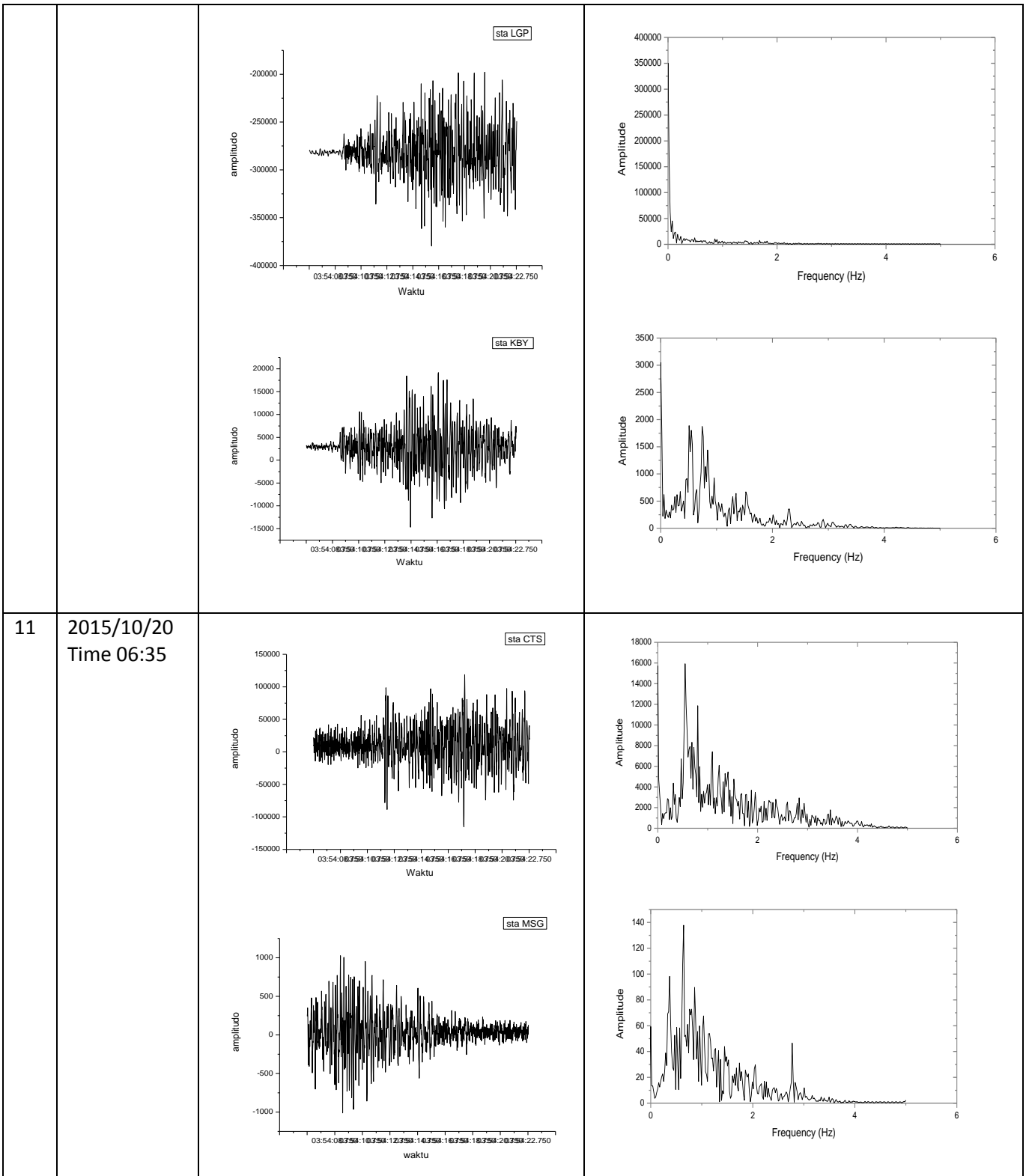
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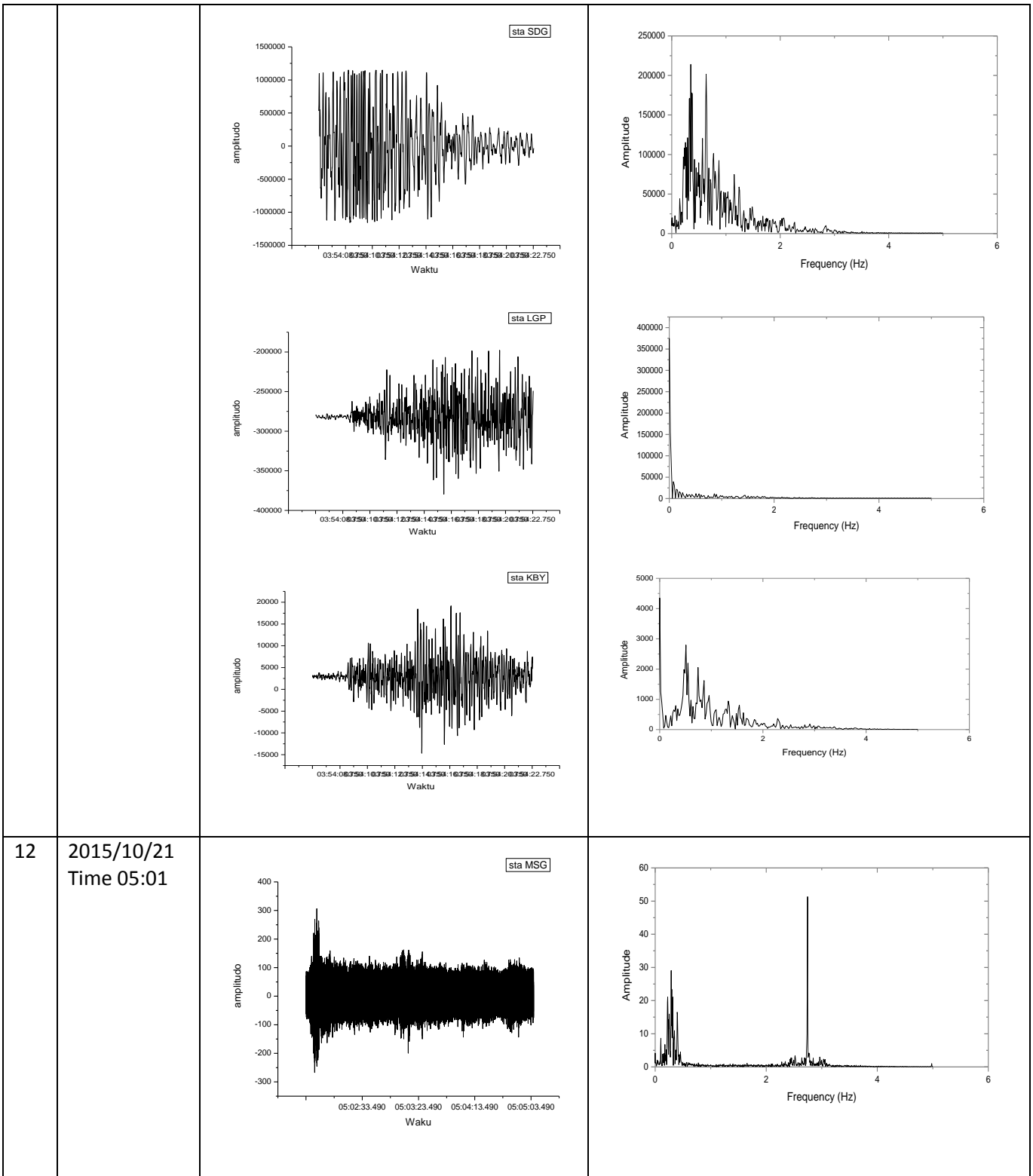
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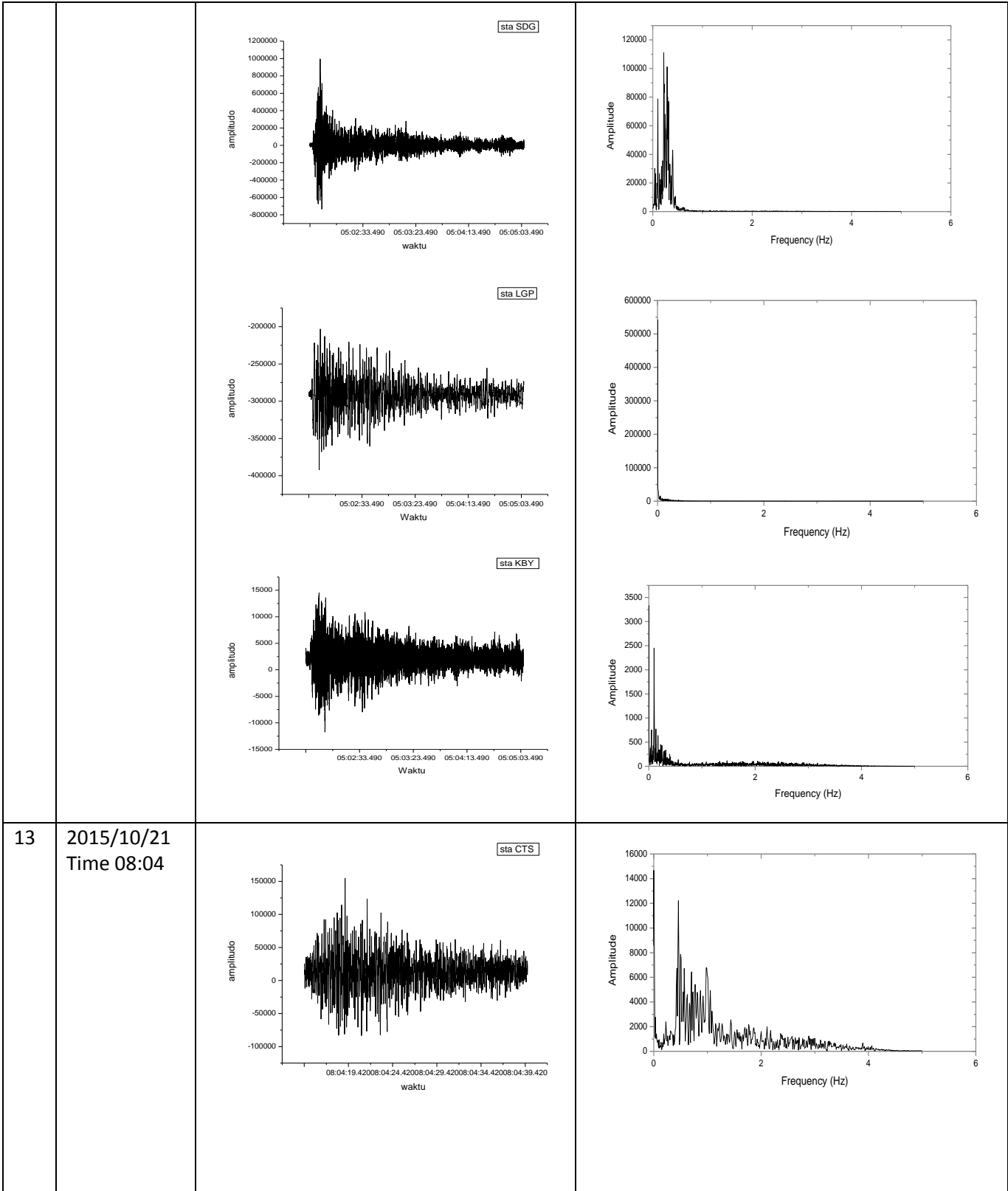
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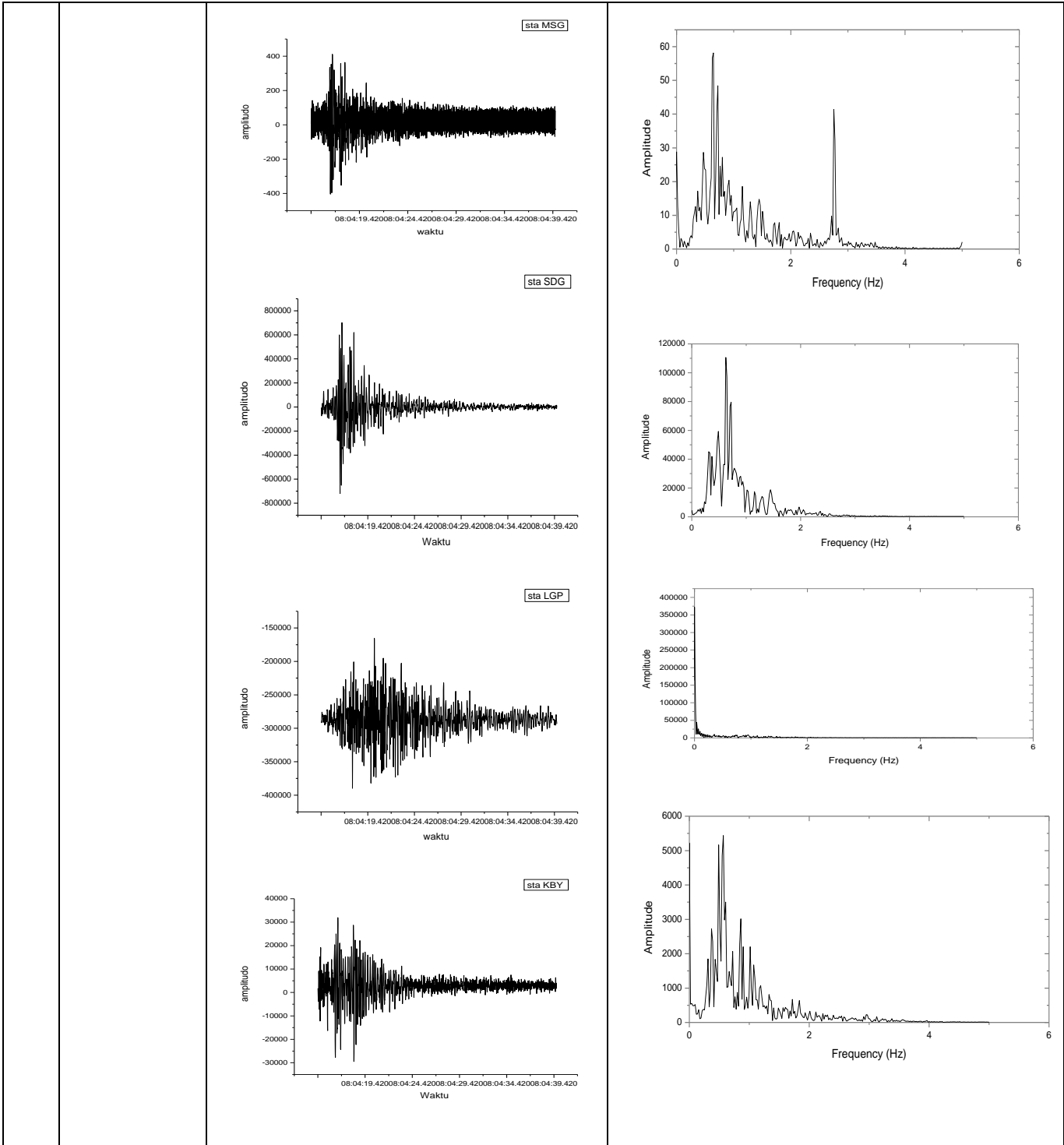


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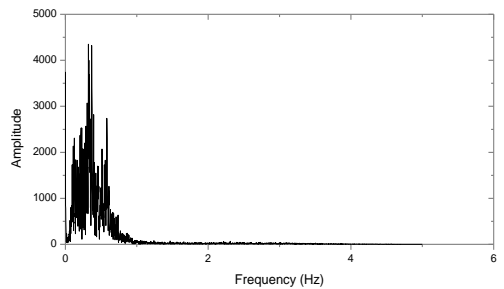
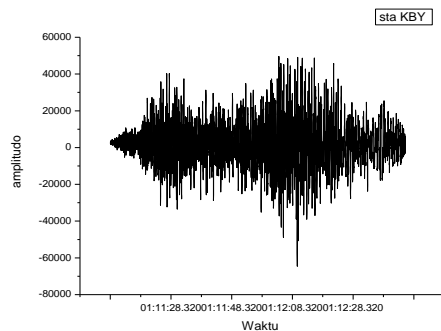
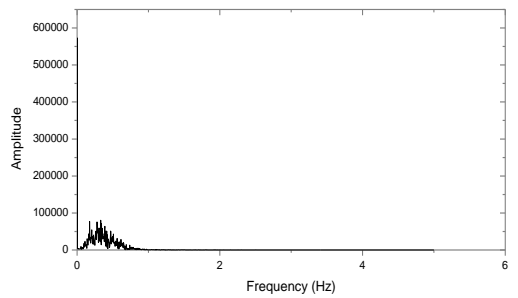
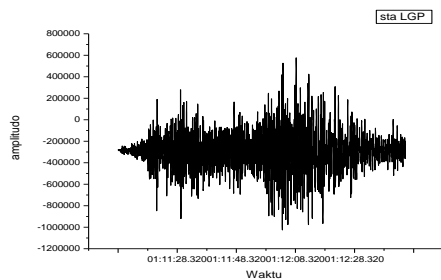
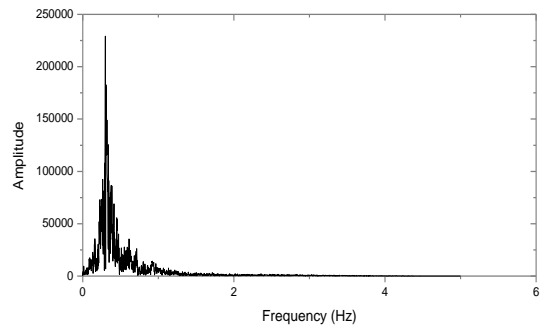
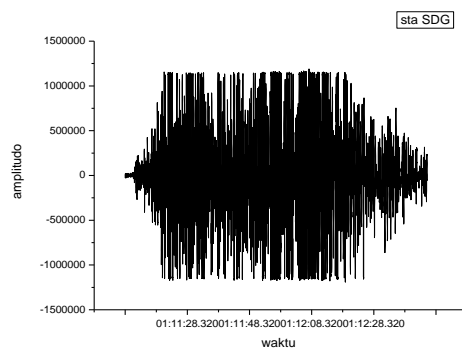
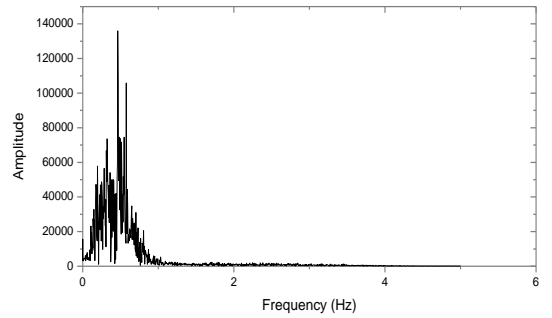
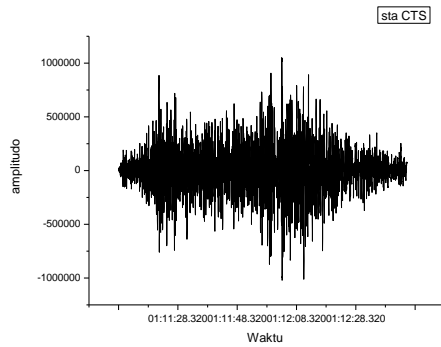


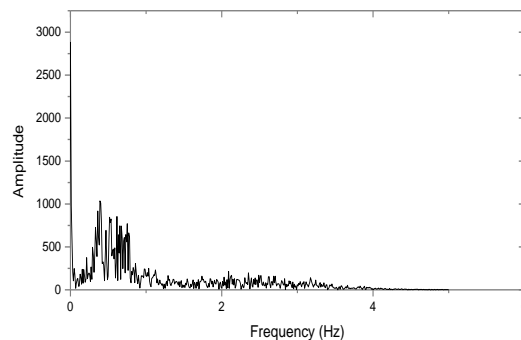
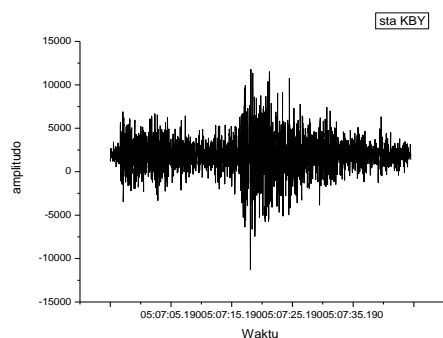
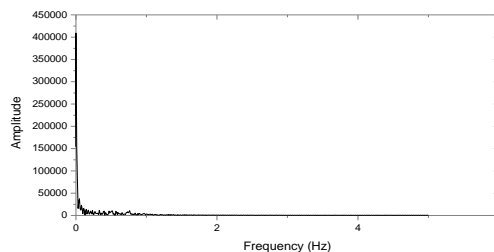
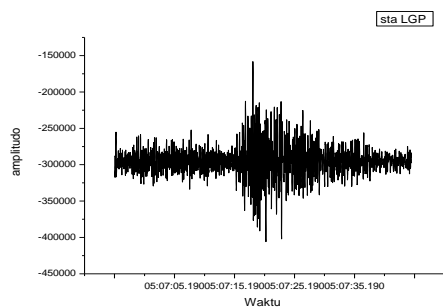
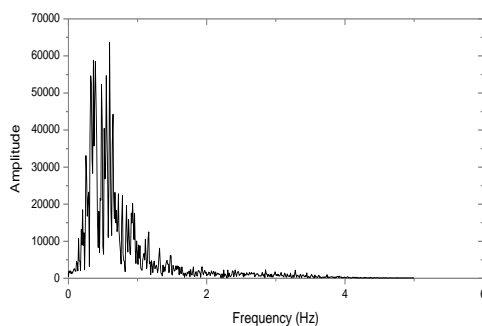
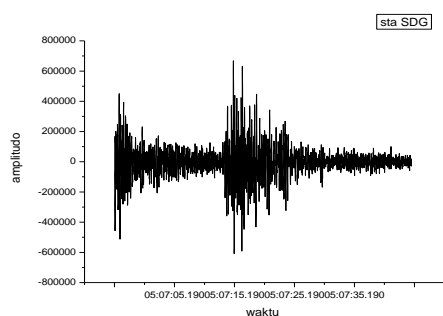
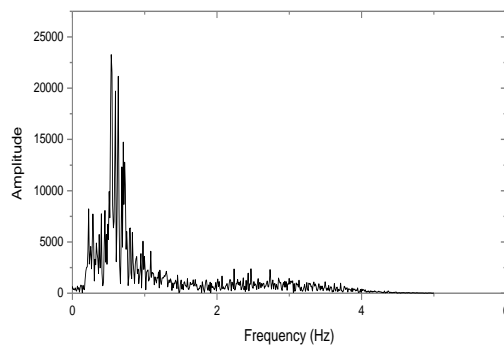
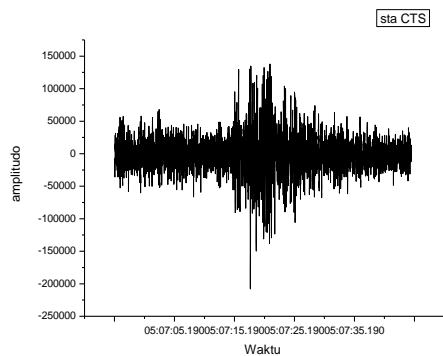


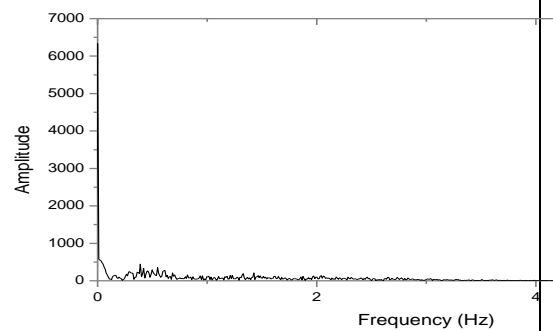
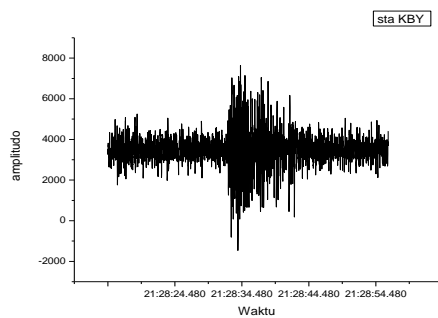
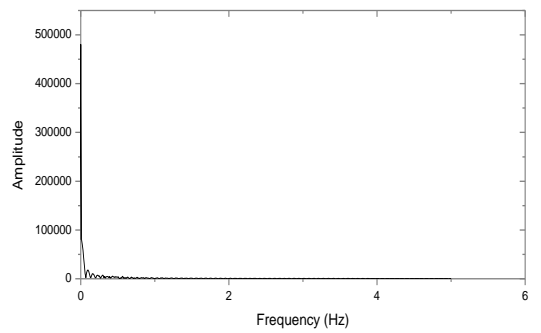
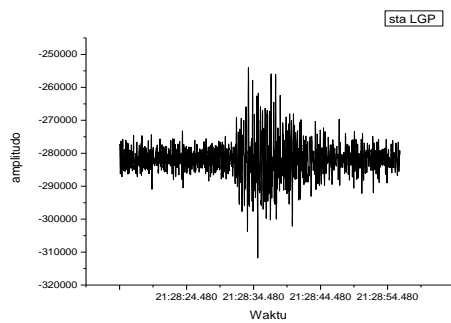
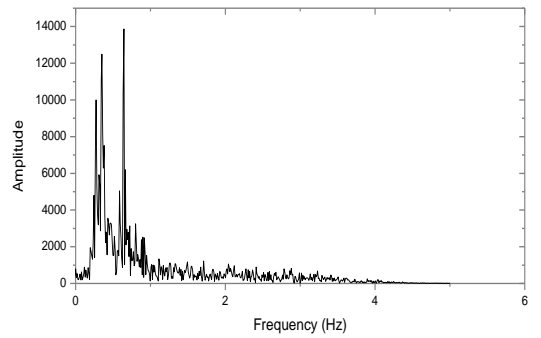
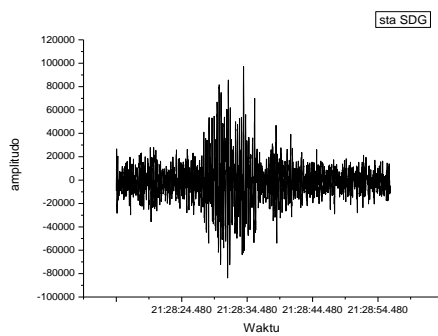
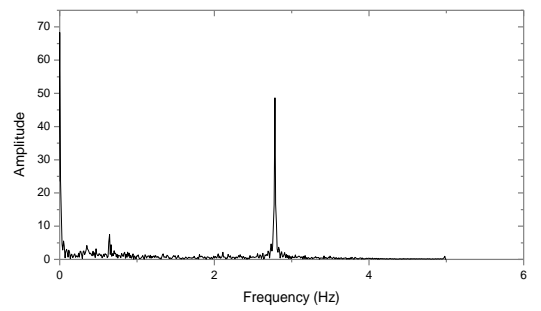
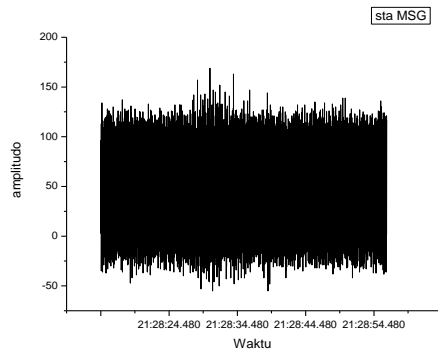


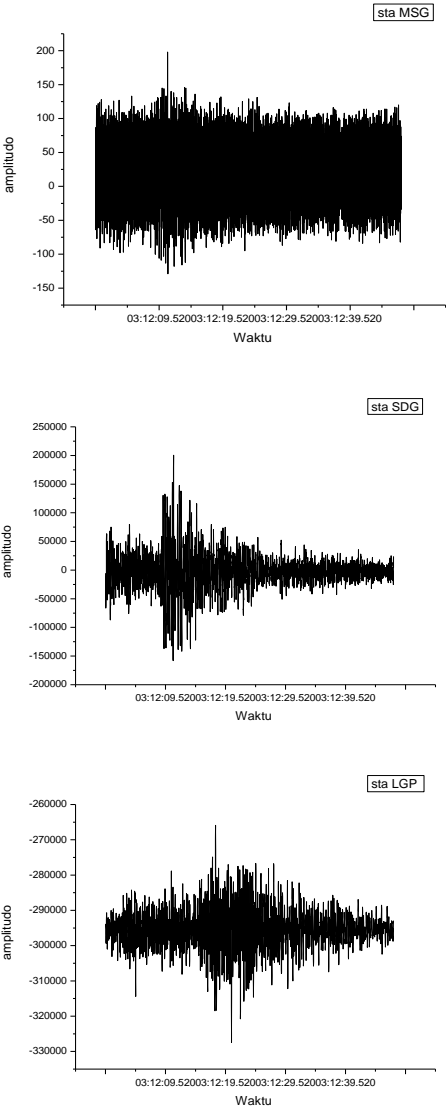
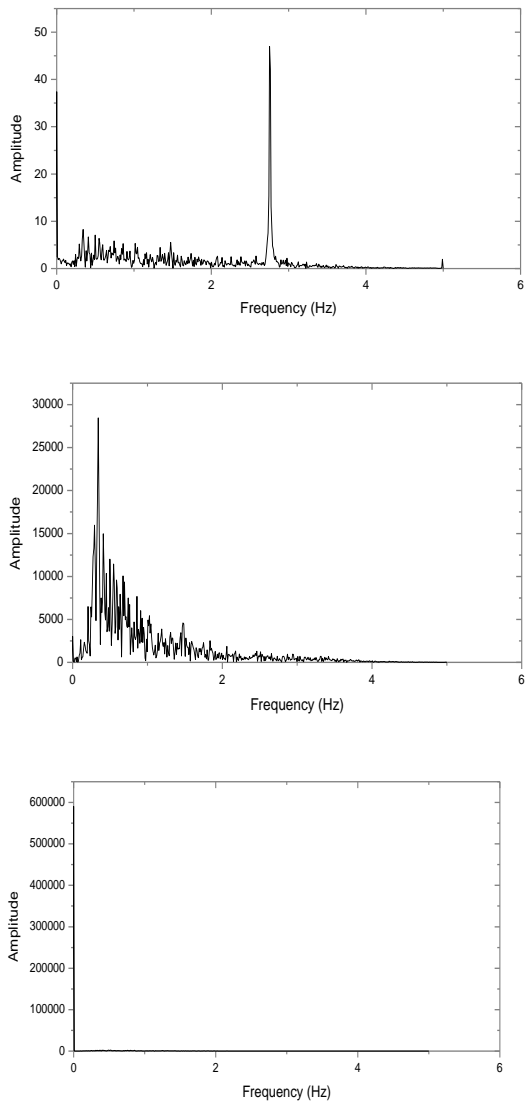
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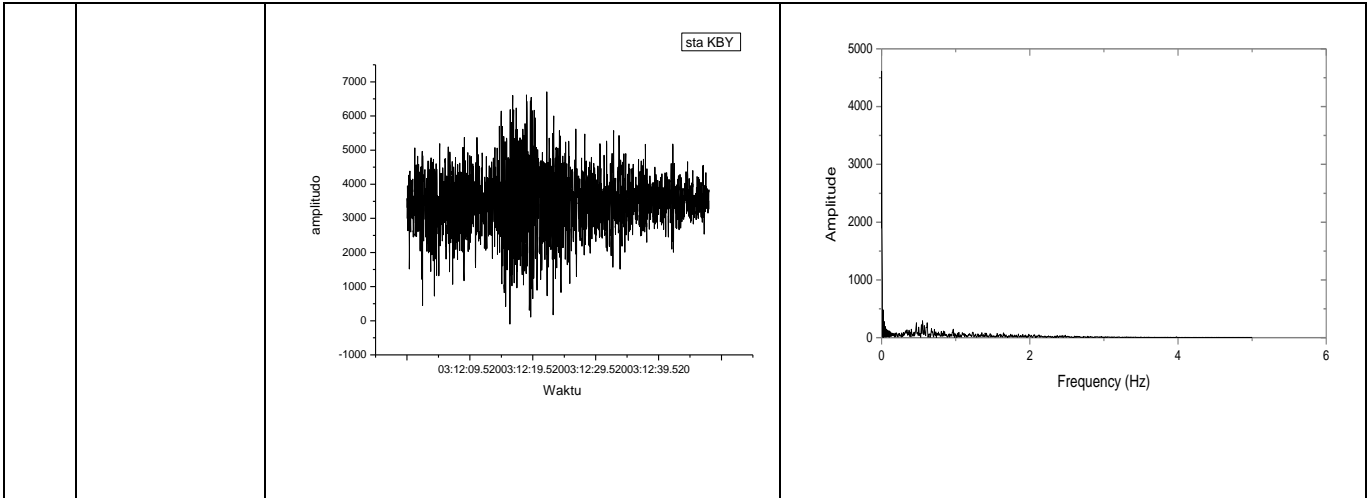




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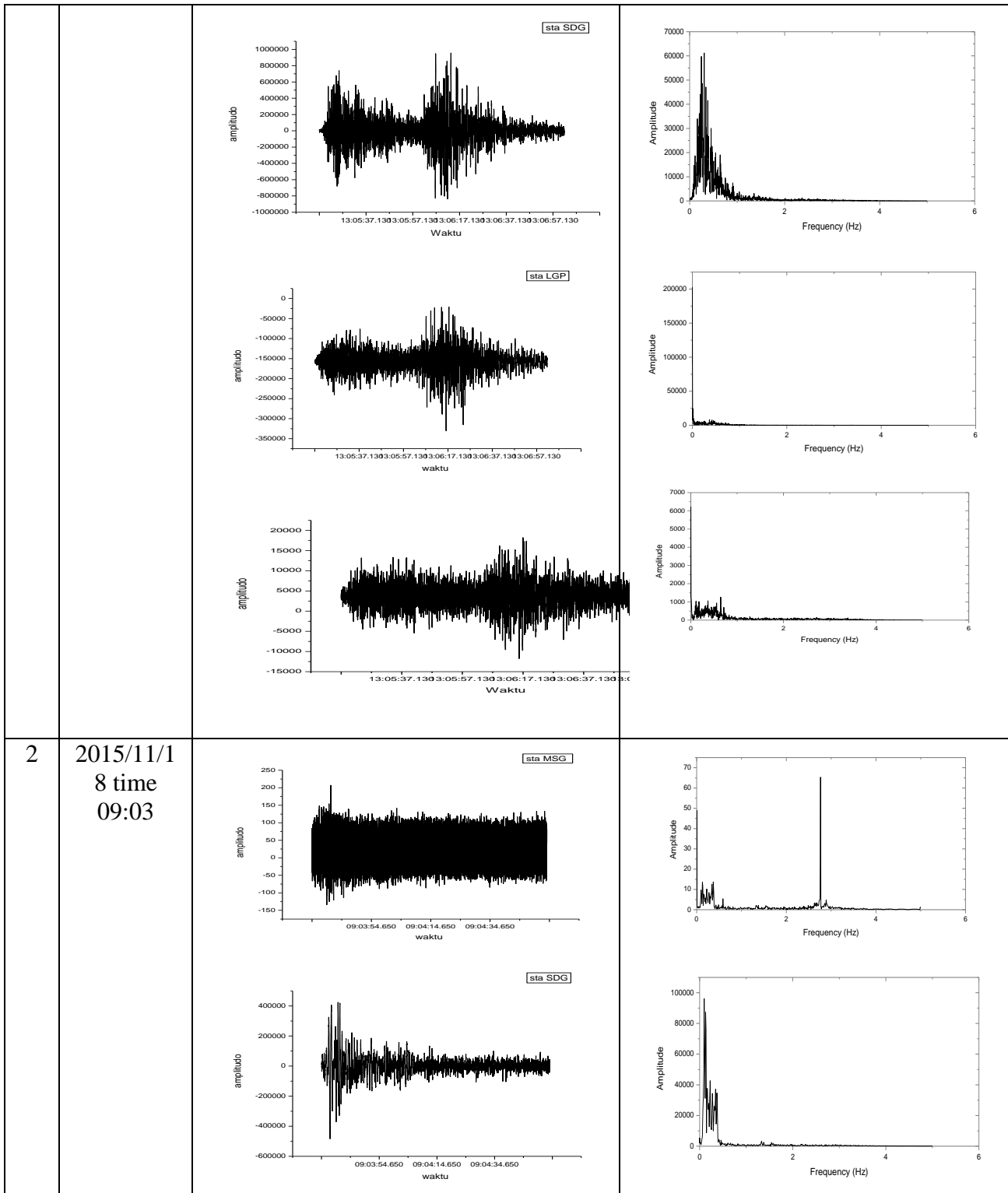
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NOVEMBER 2015

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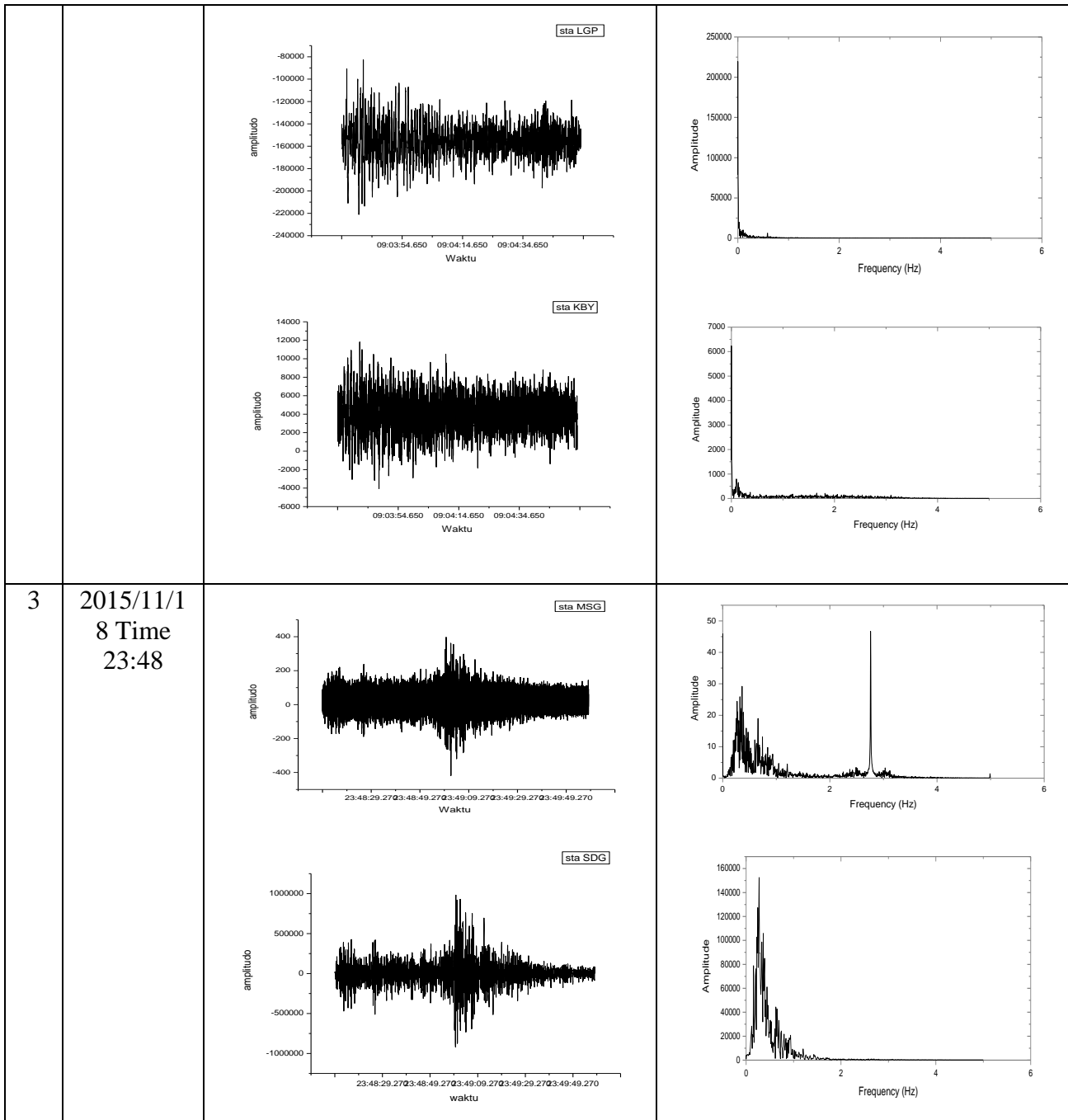
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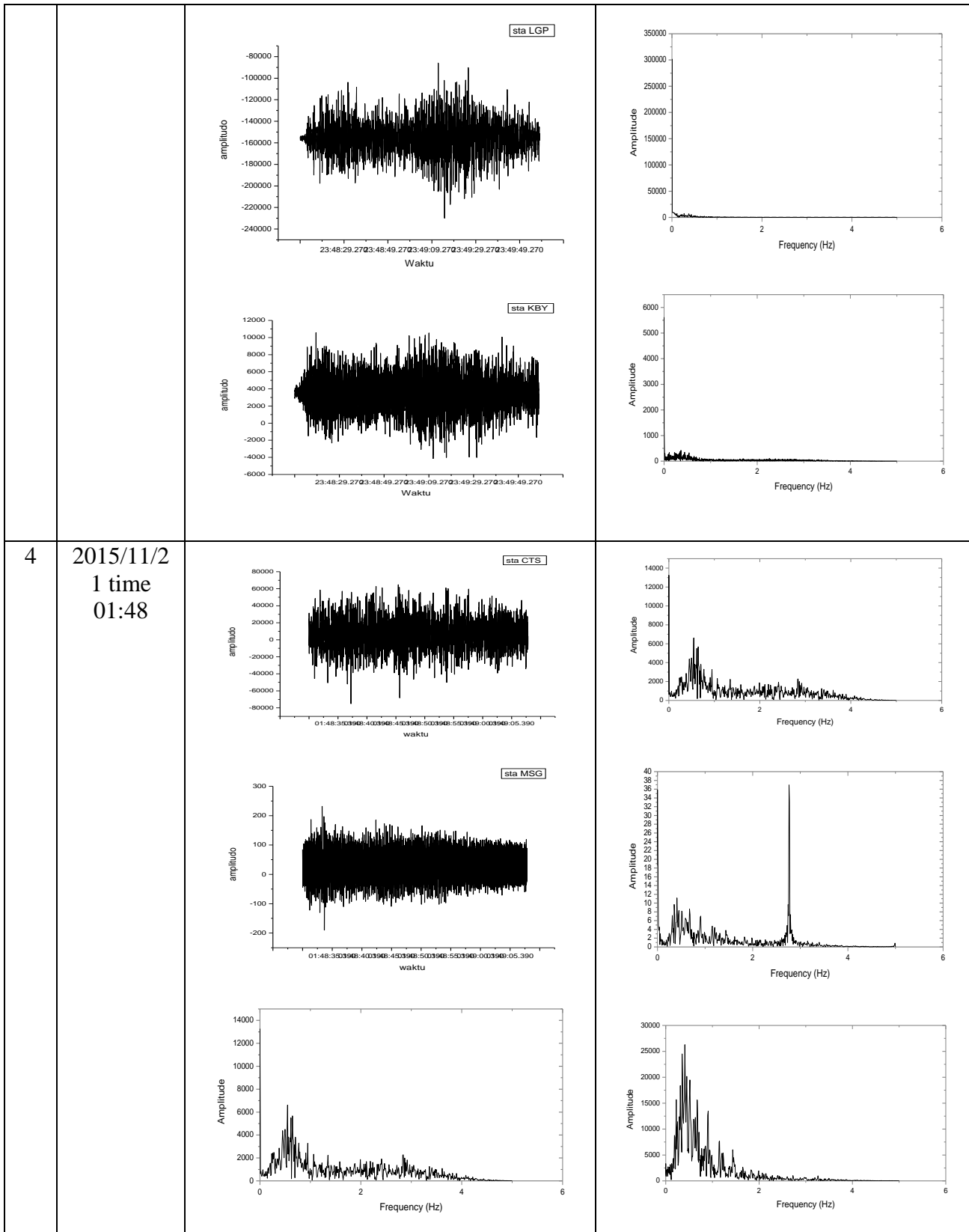
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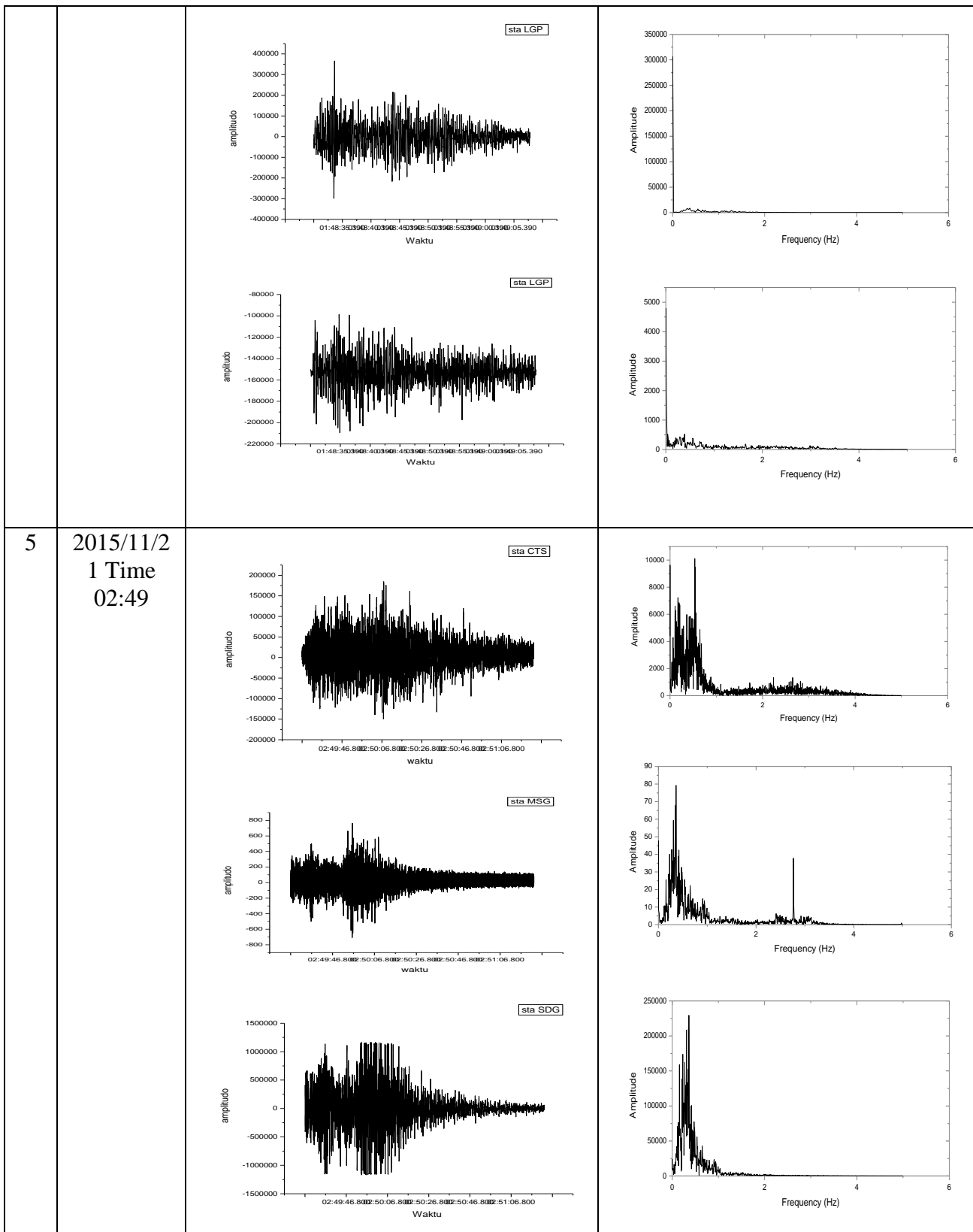




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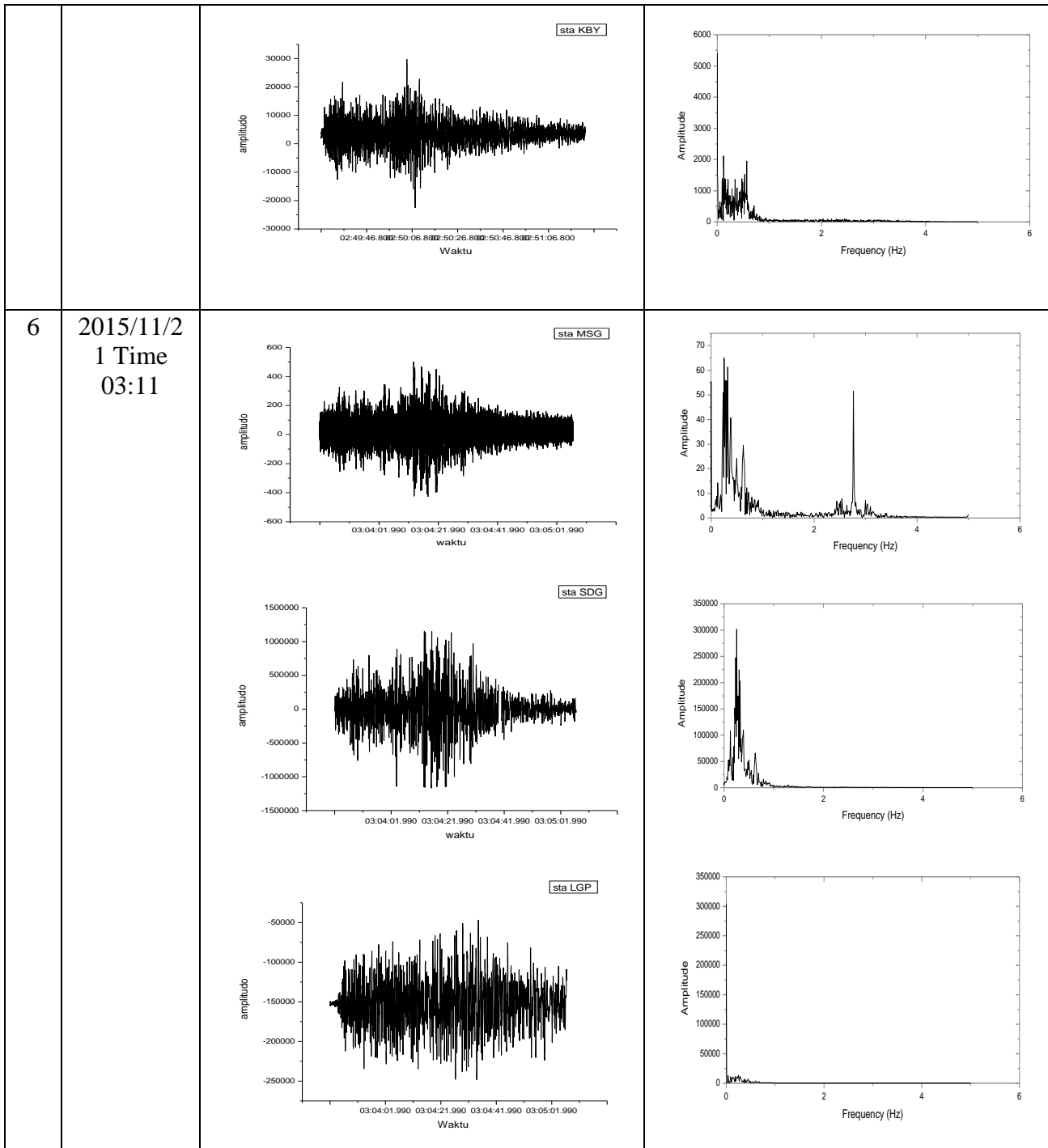
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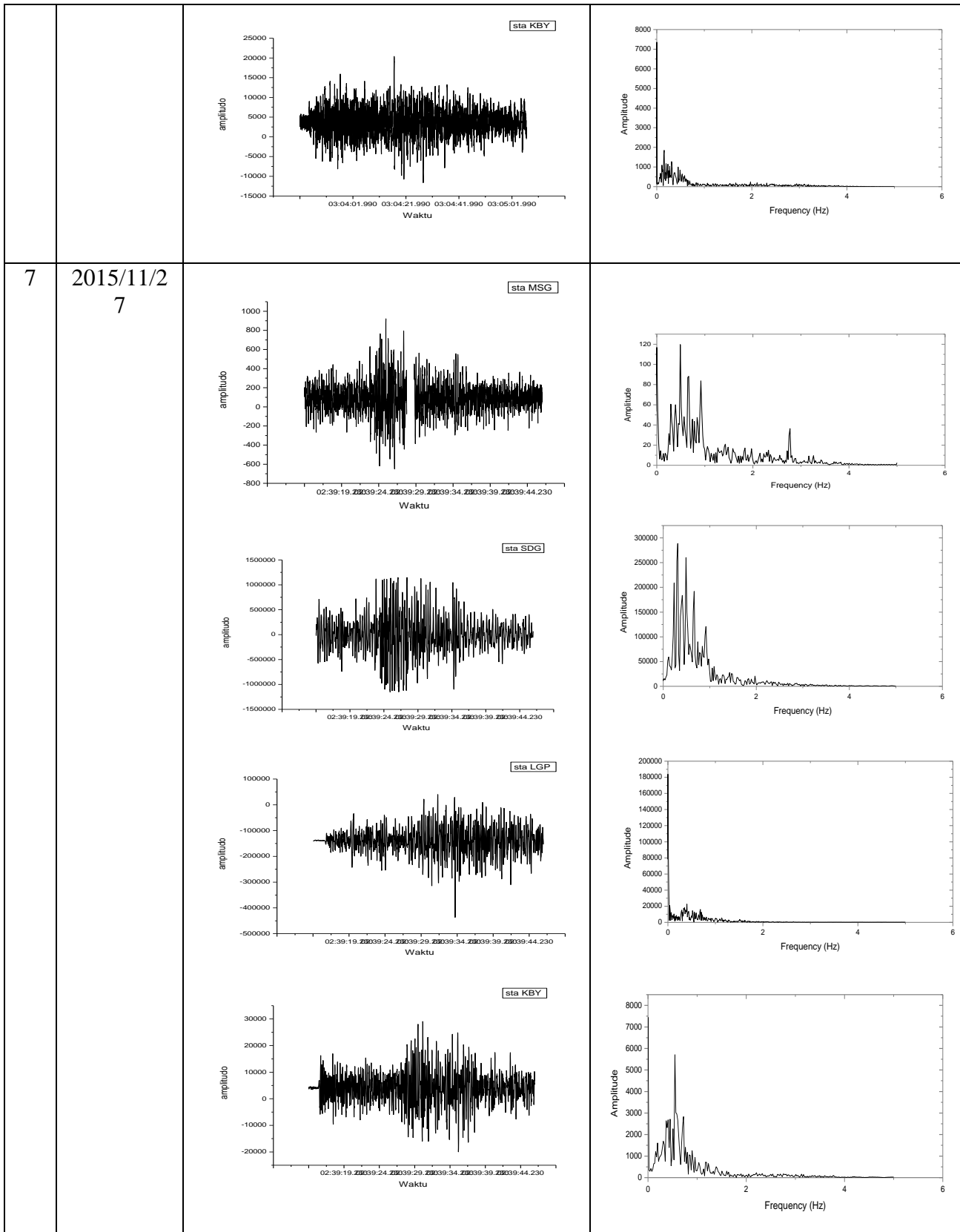
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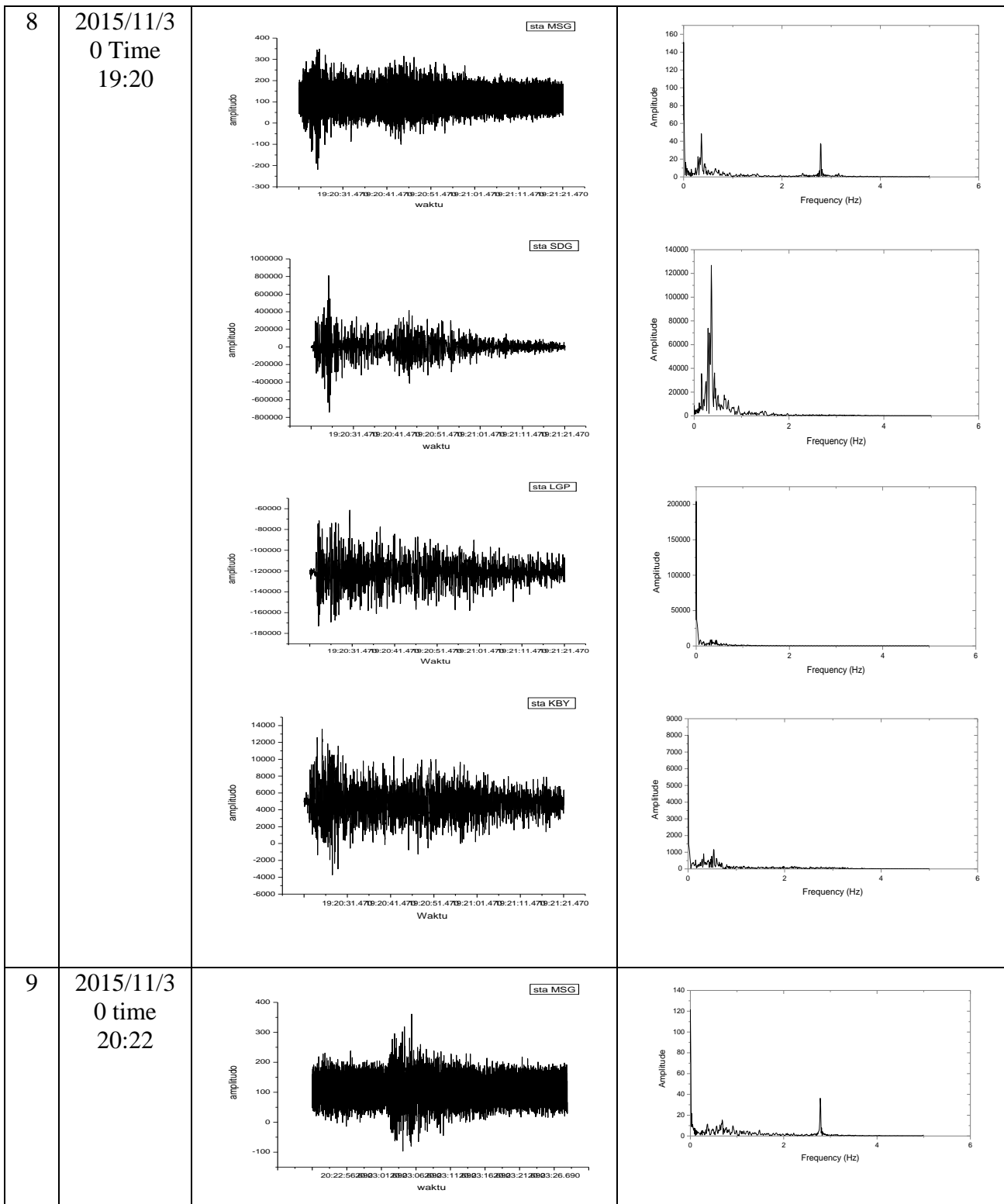
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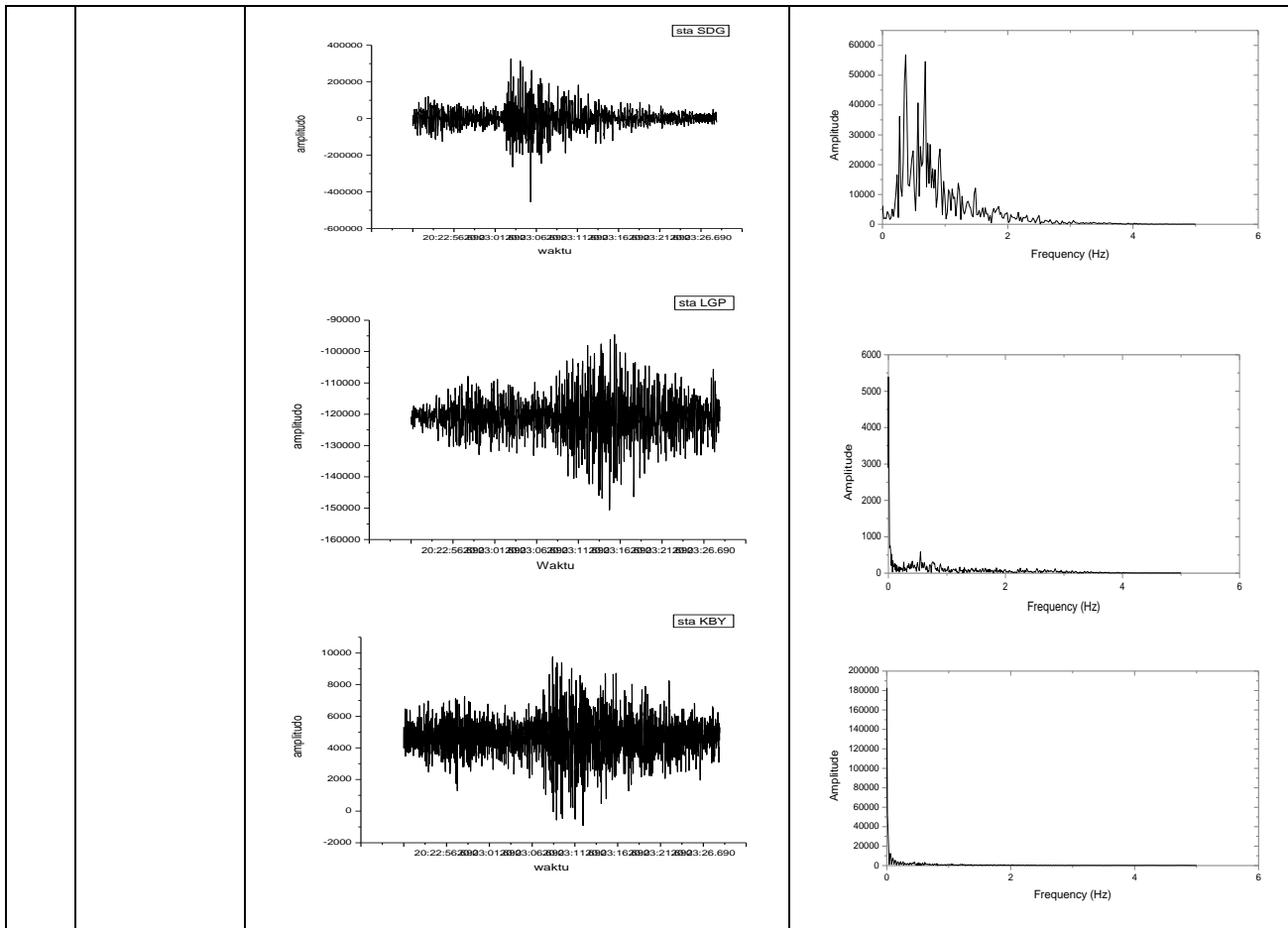
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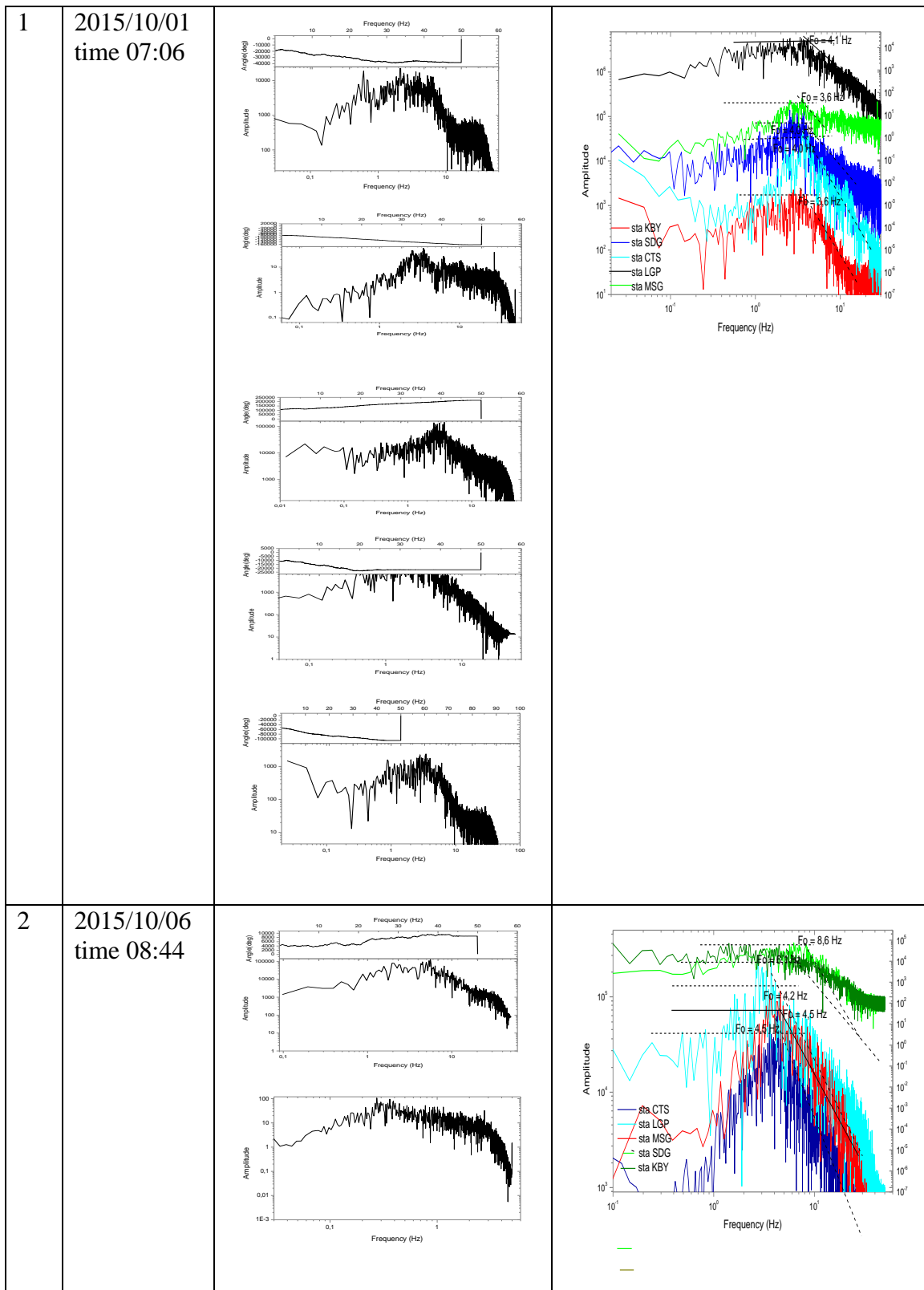
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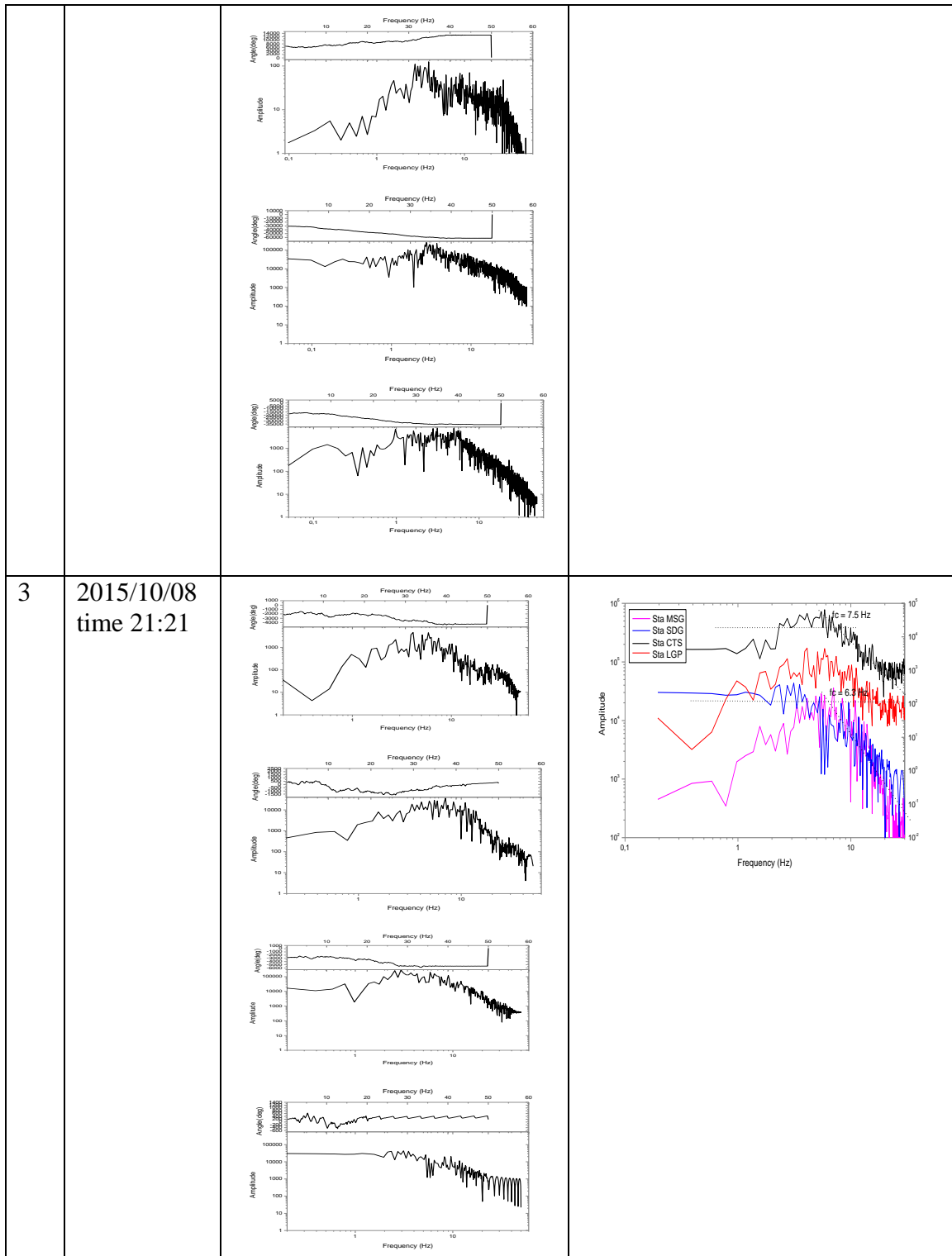
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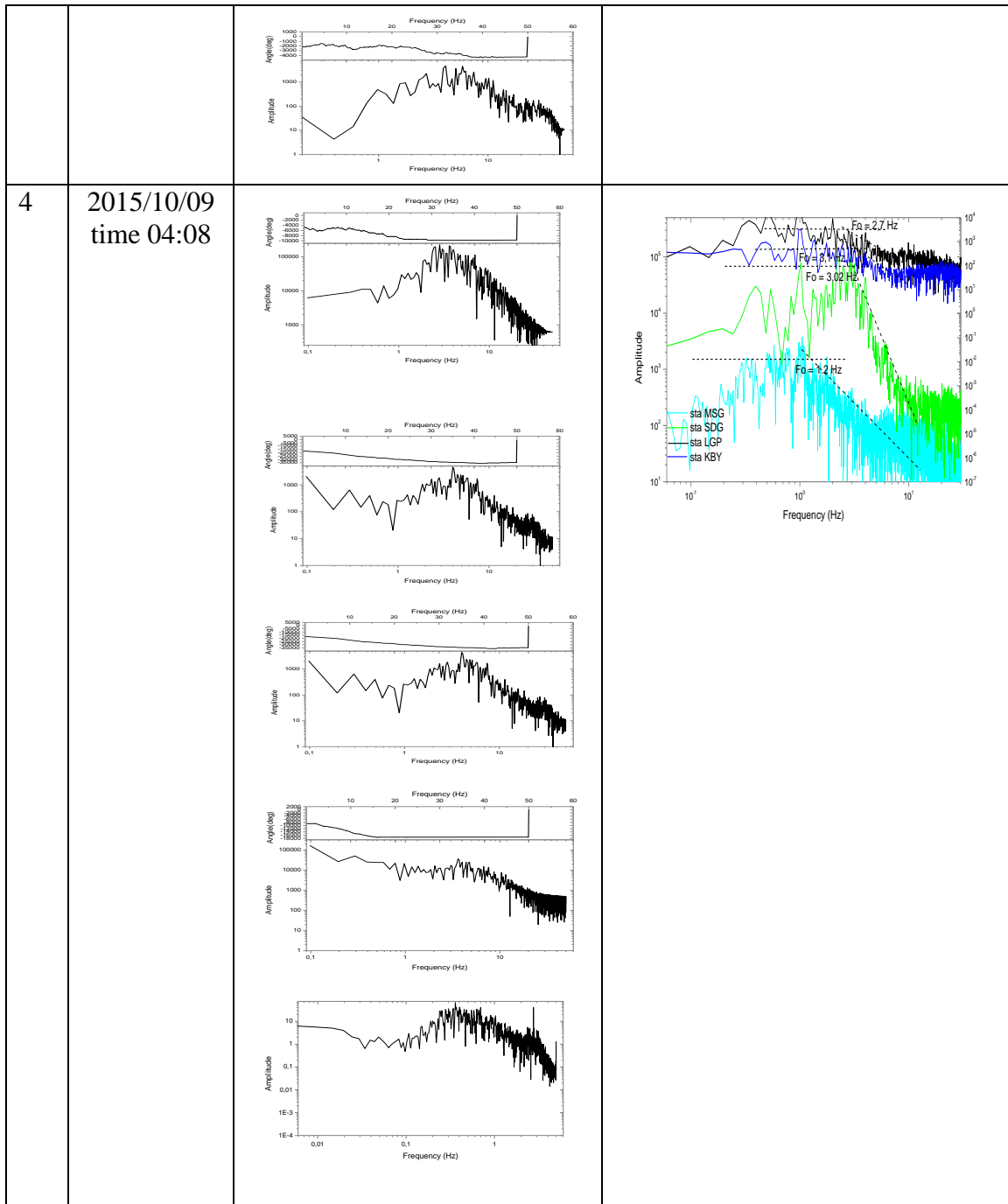




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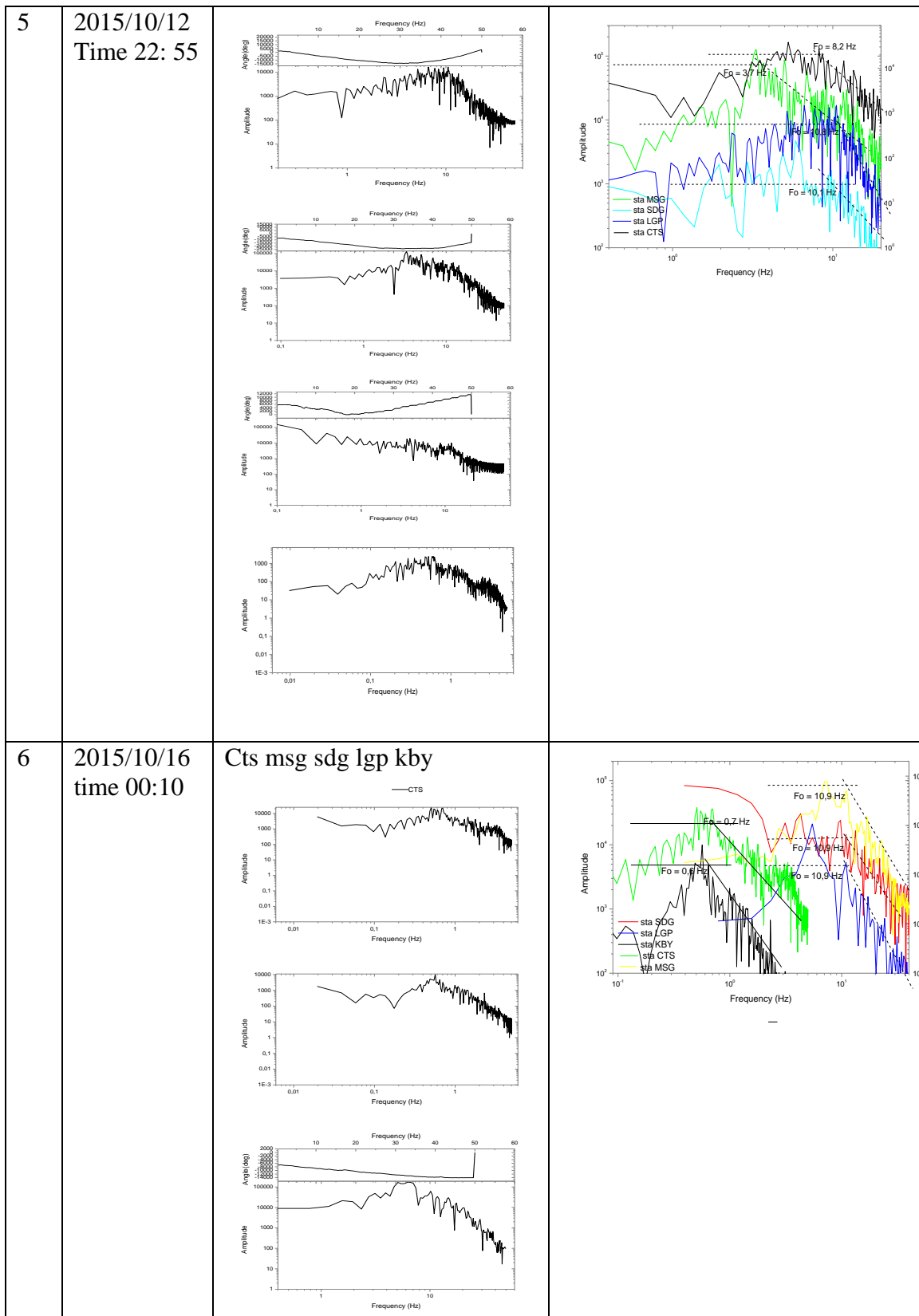
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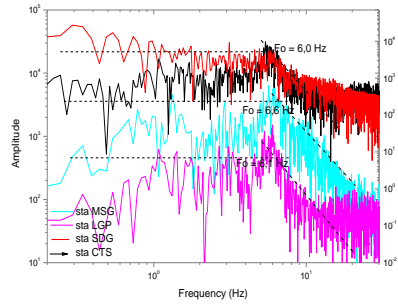
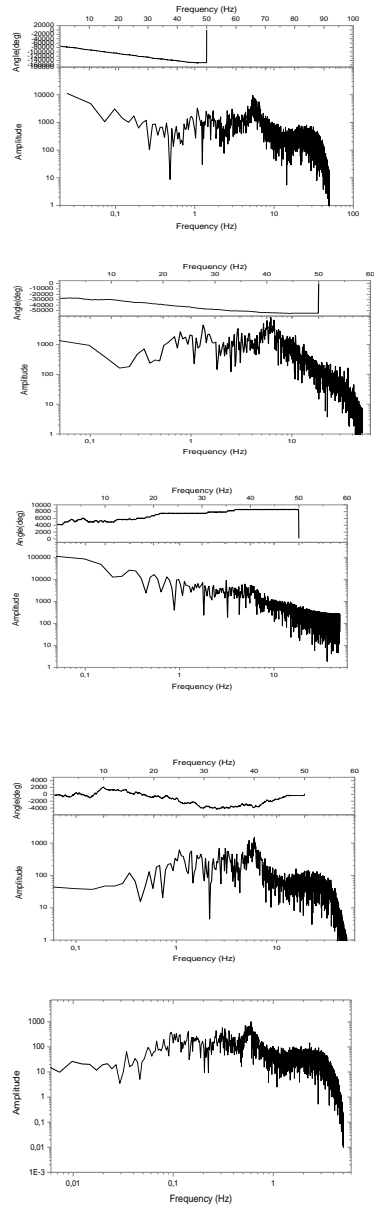
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9

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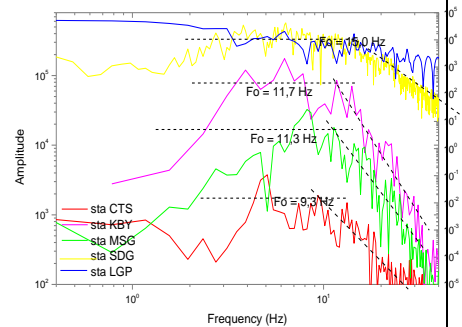
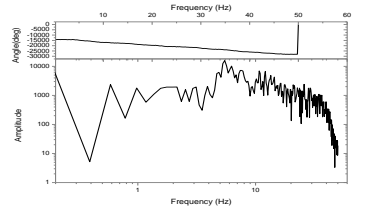
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10

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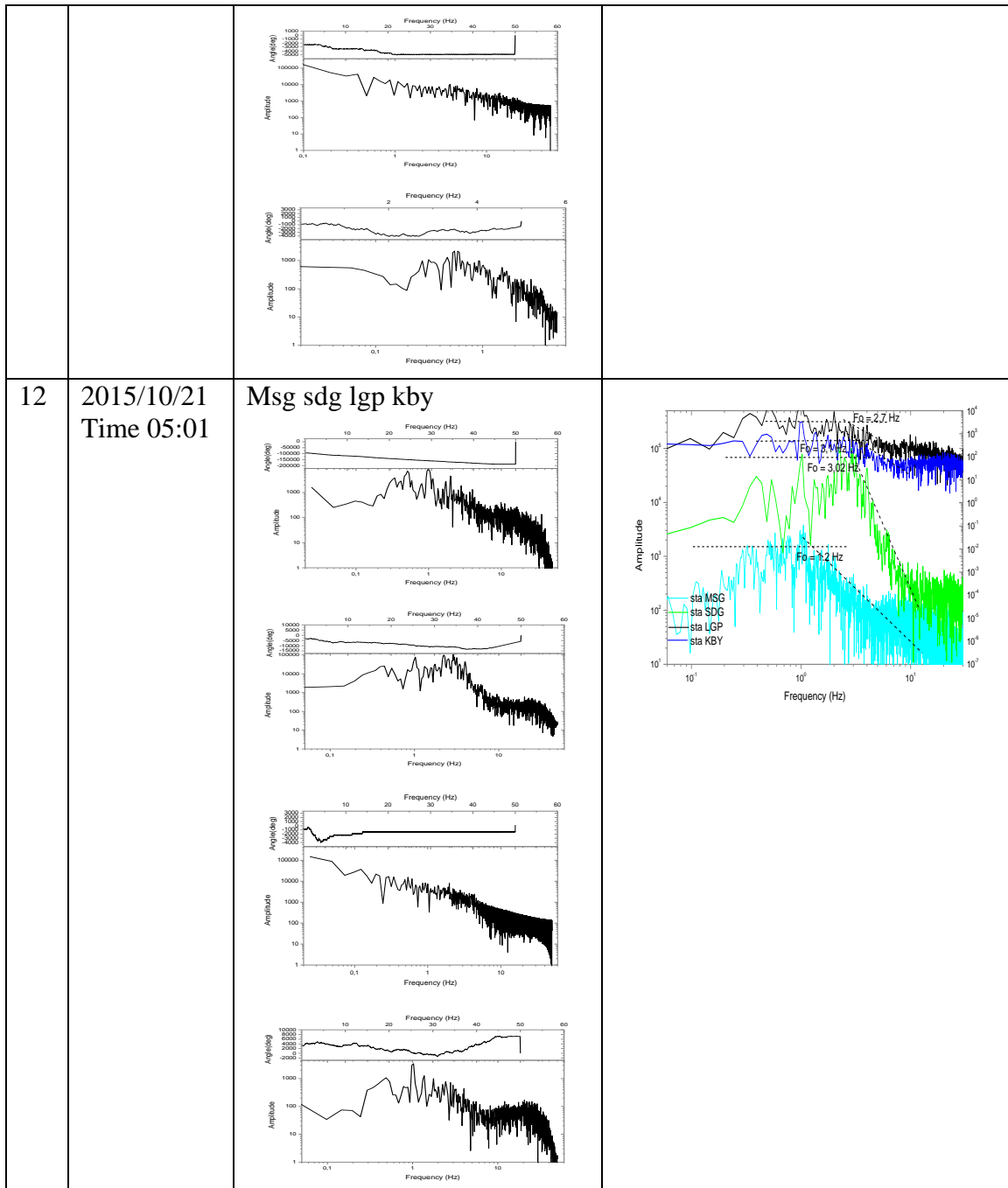
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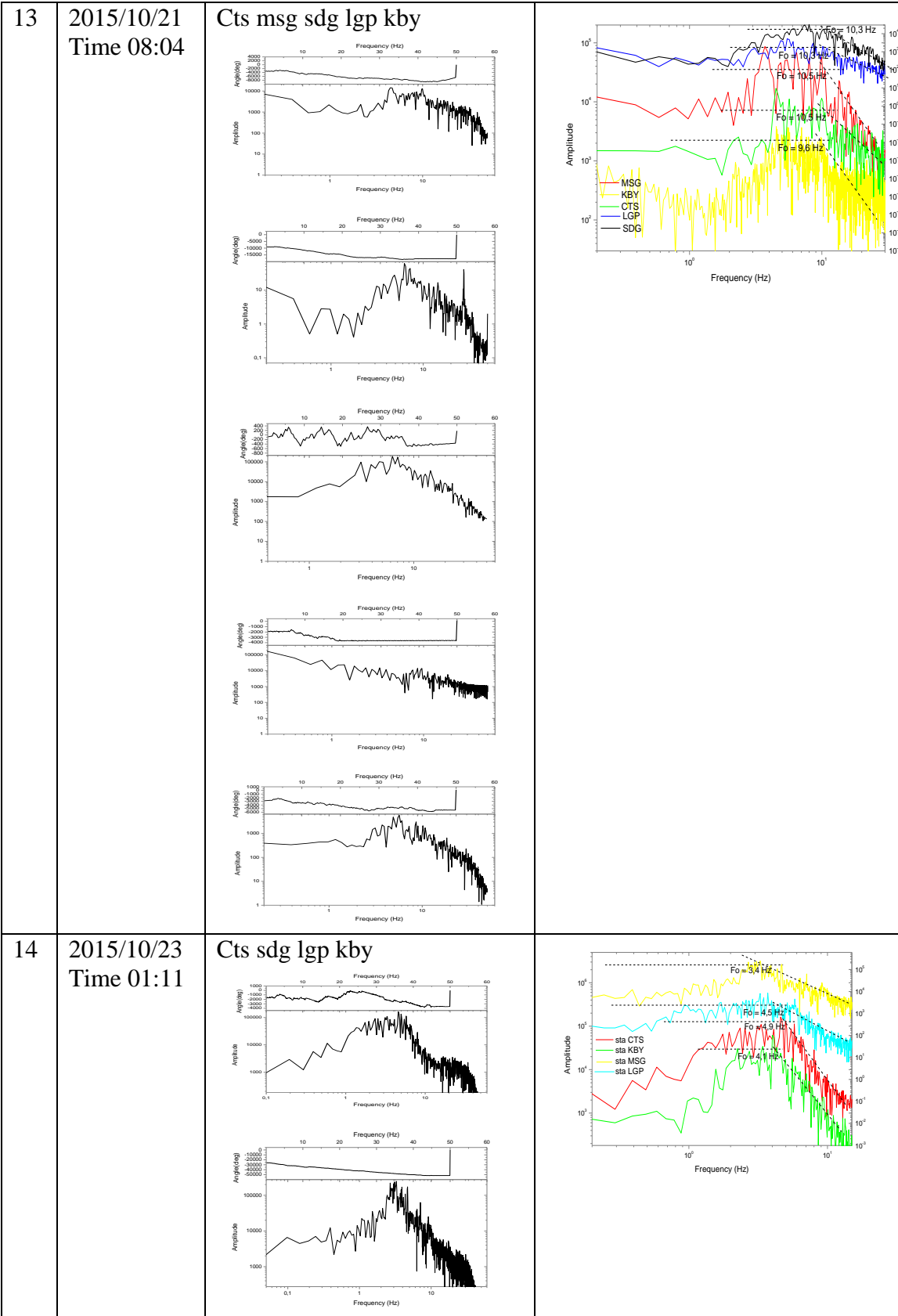
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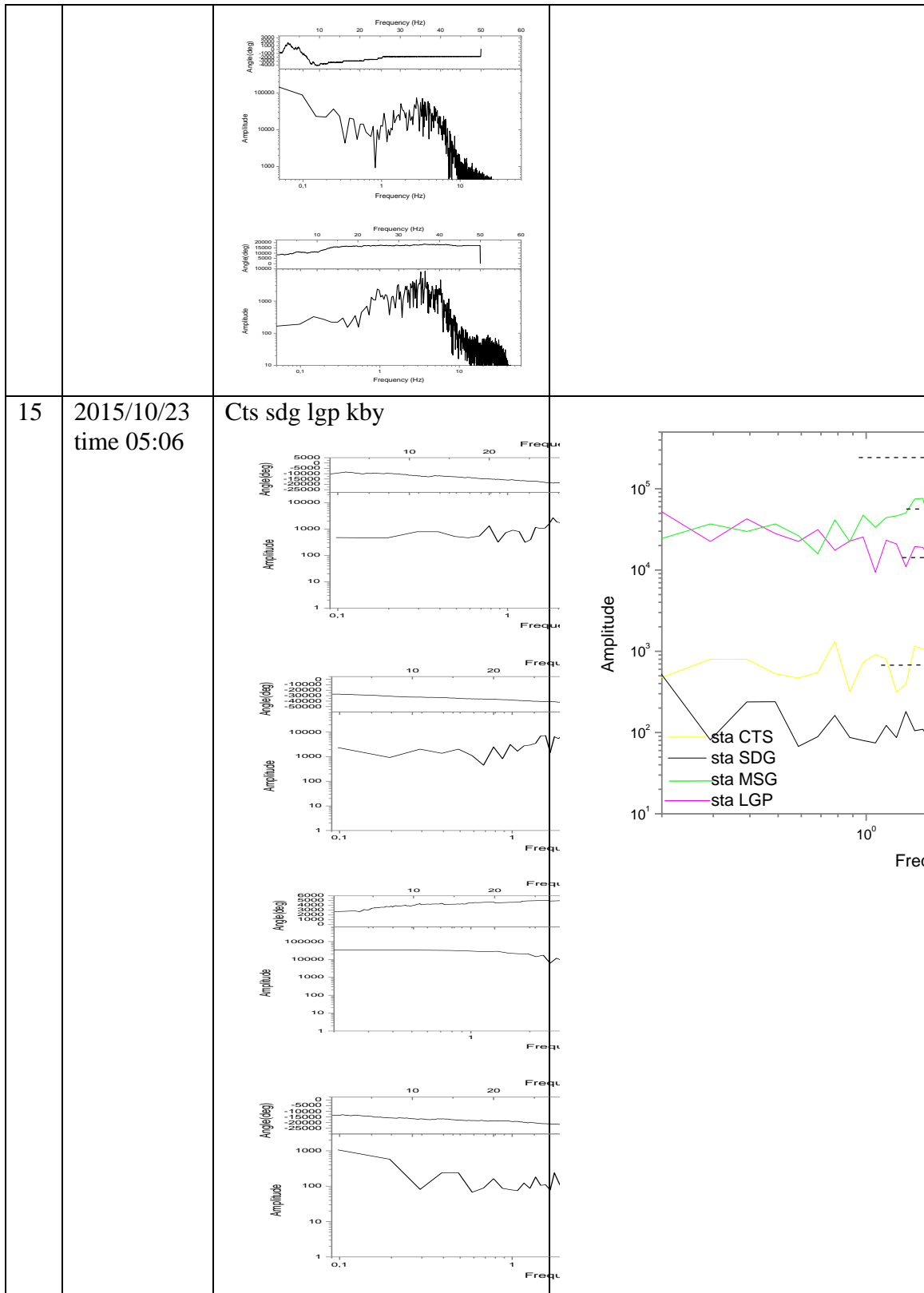
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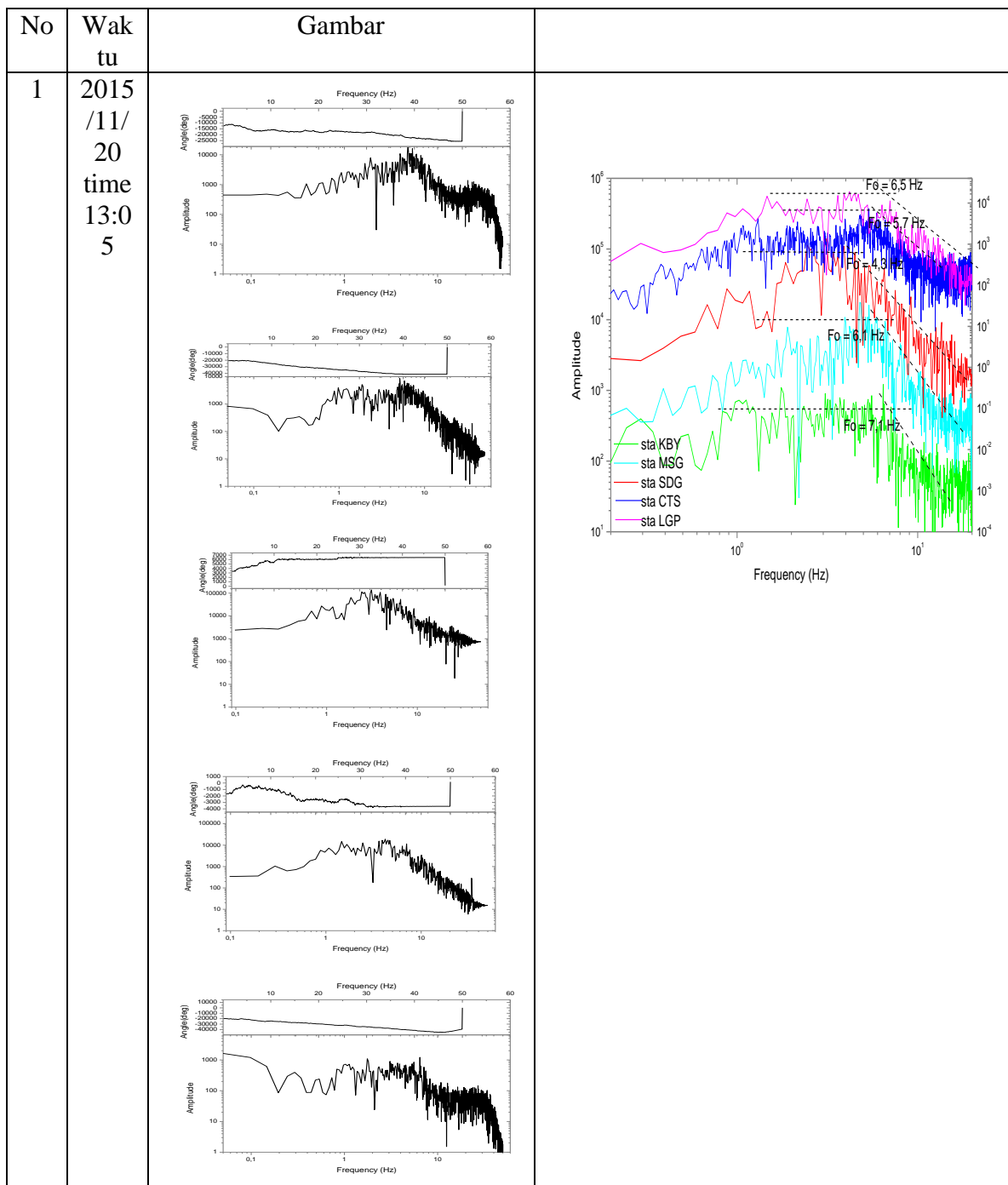
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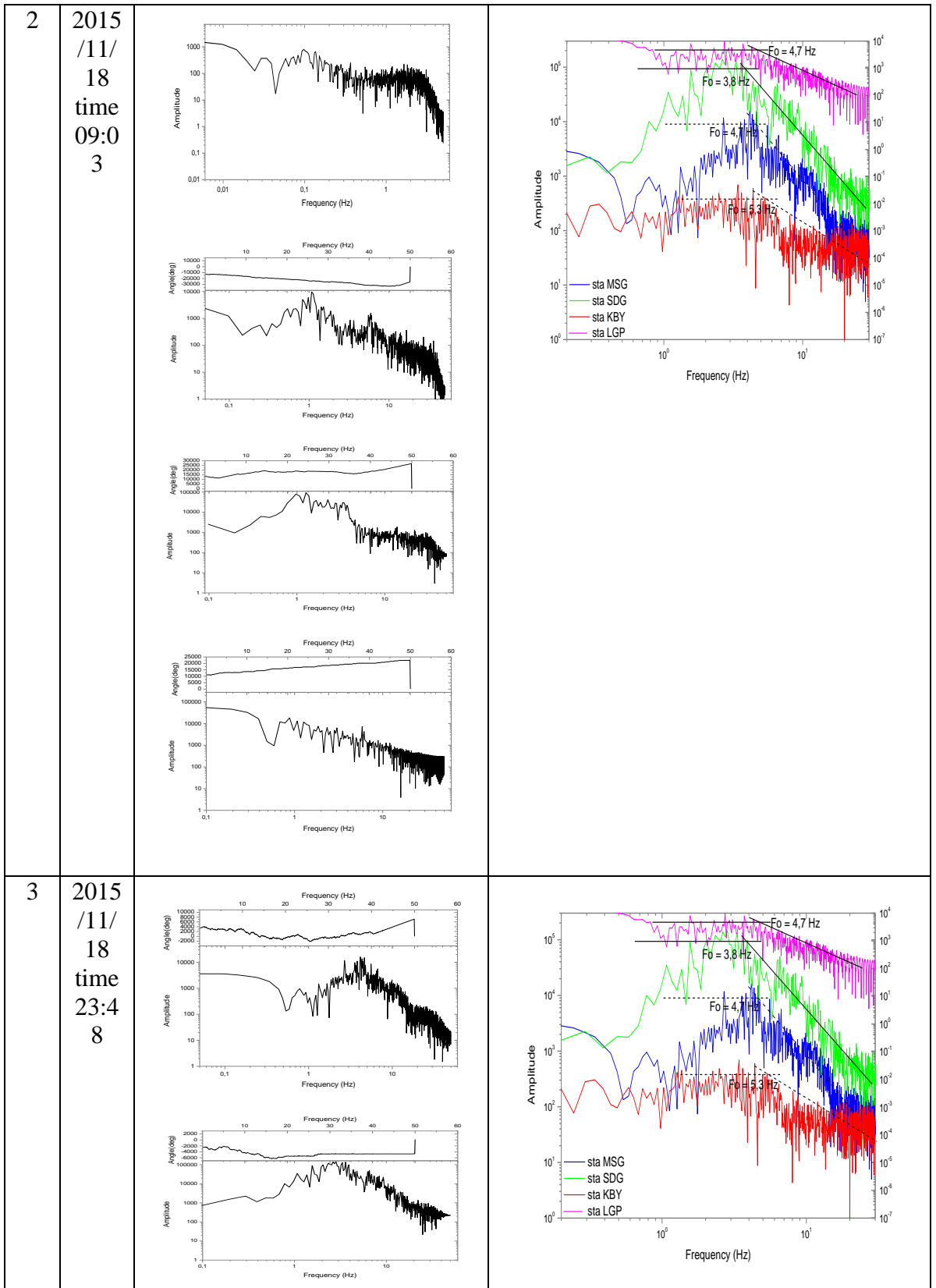
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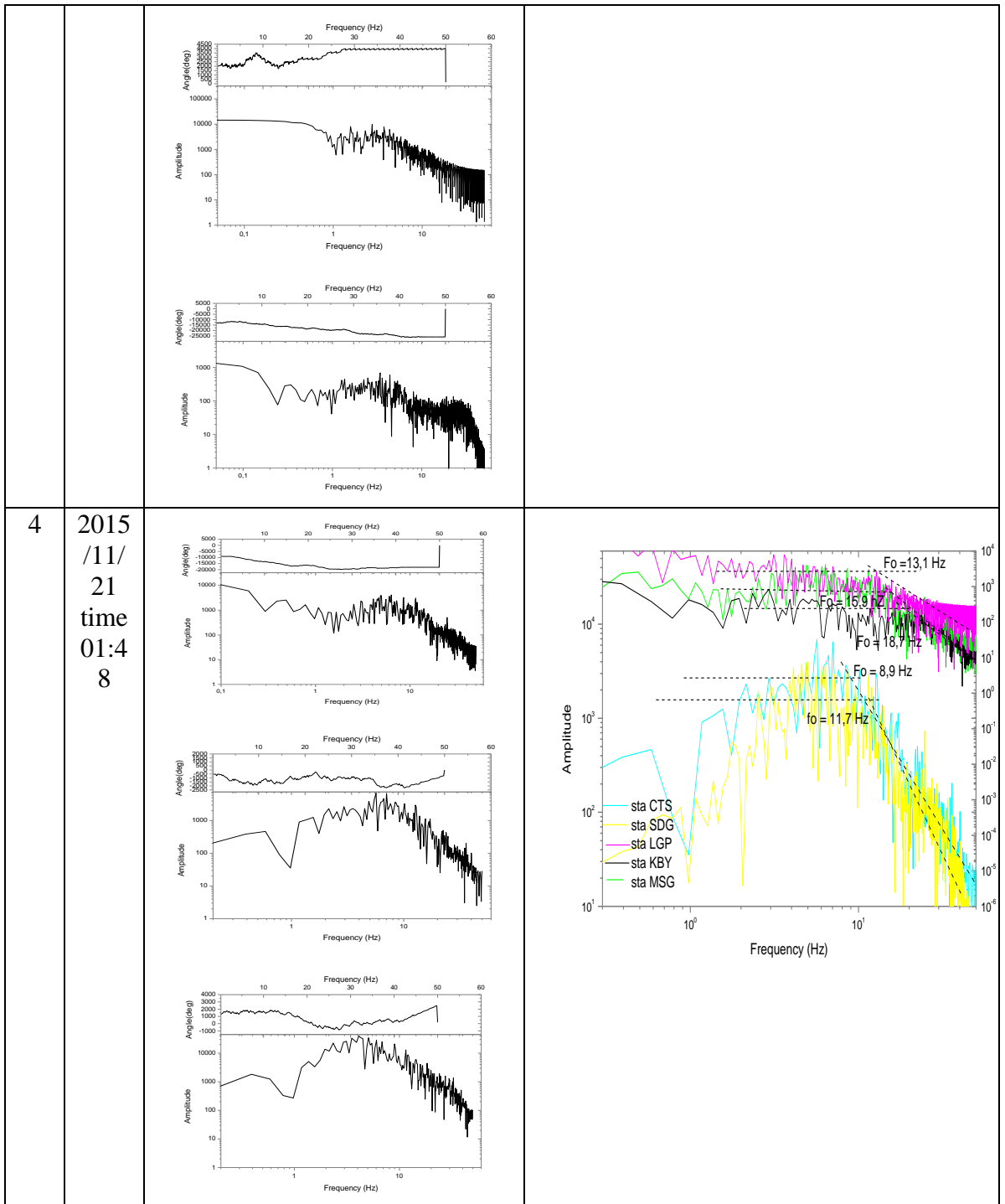
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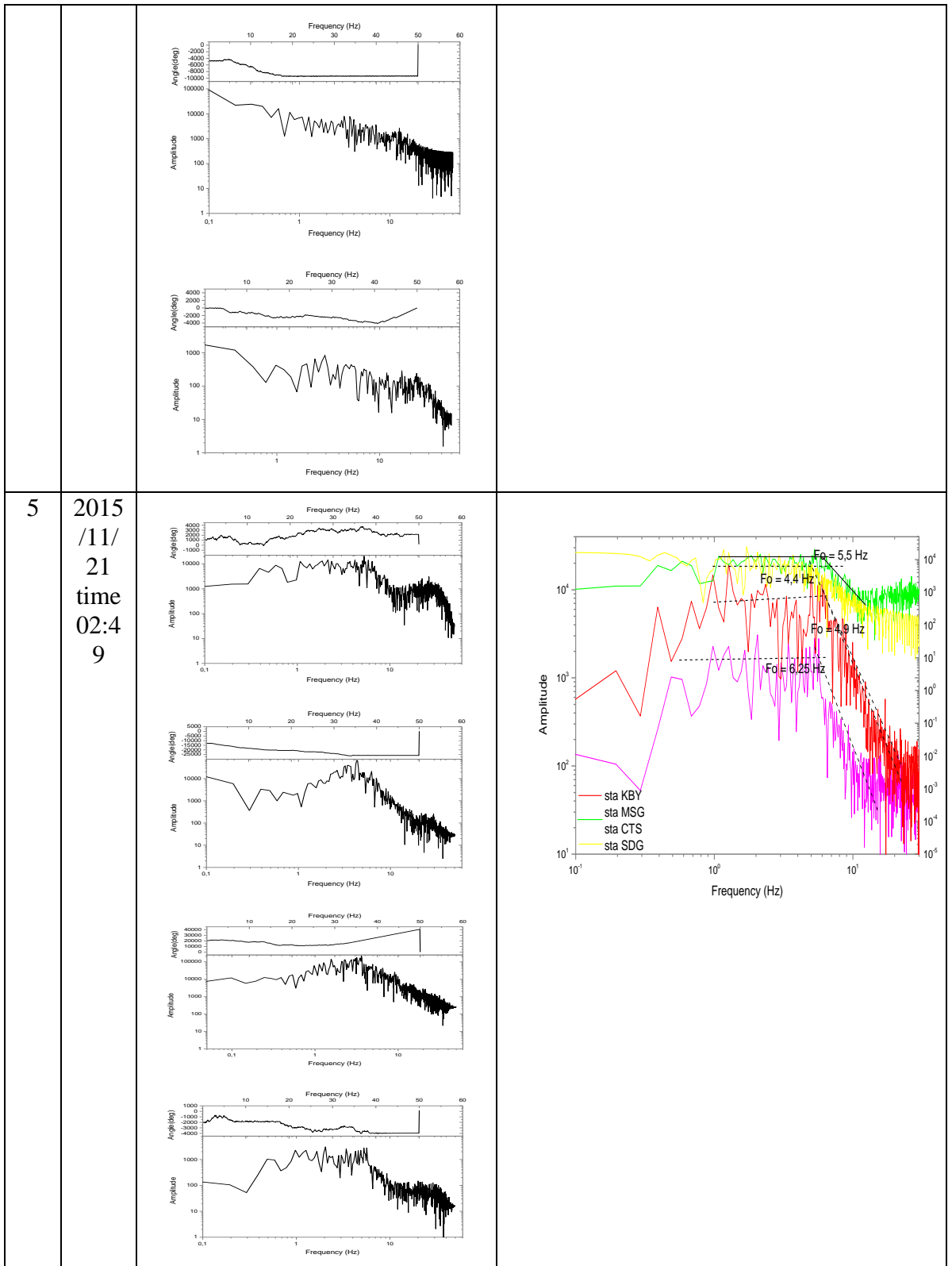
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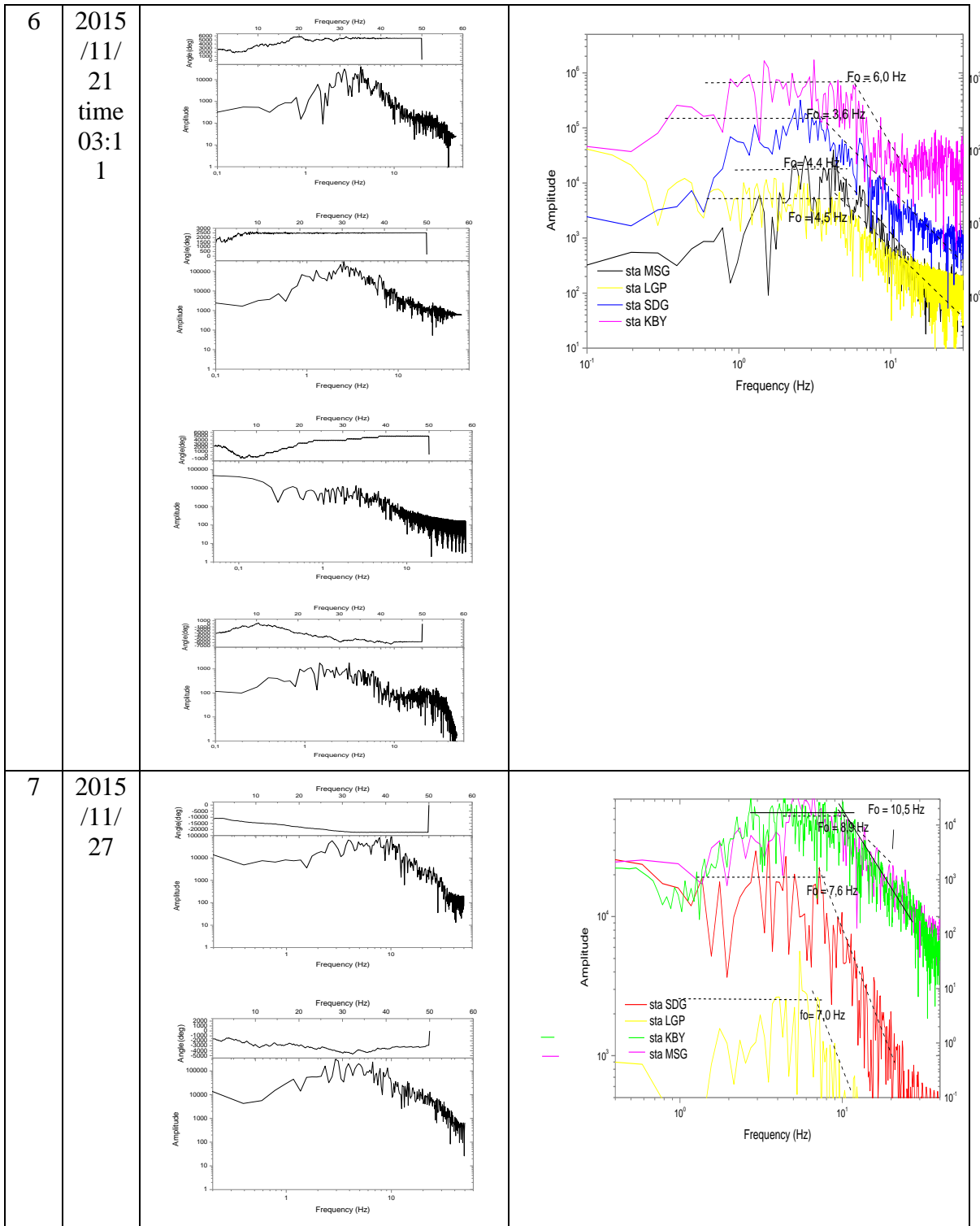
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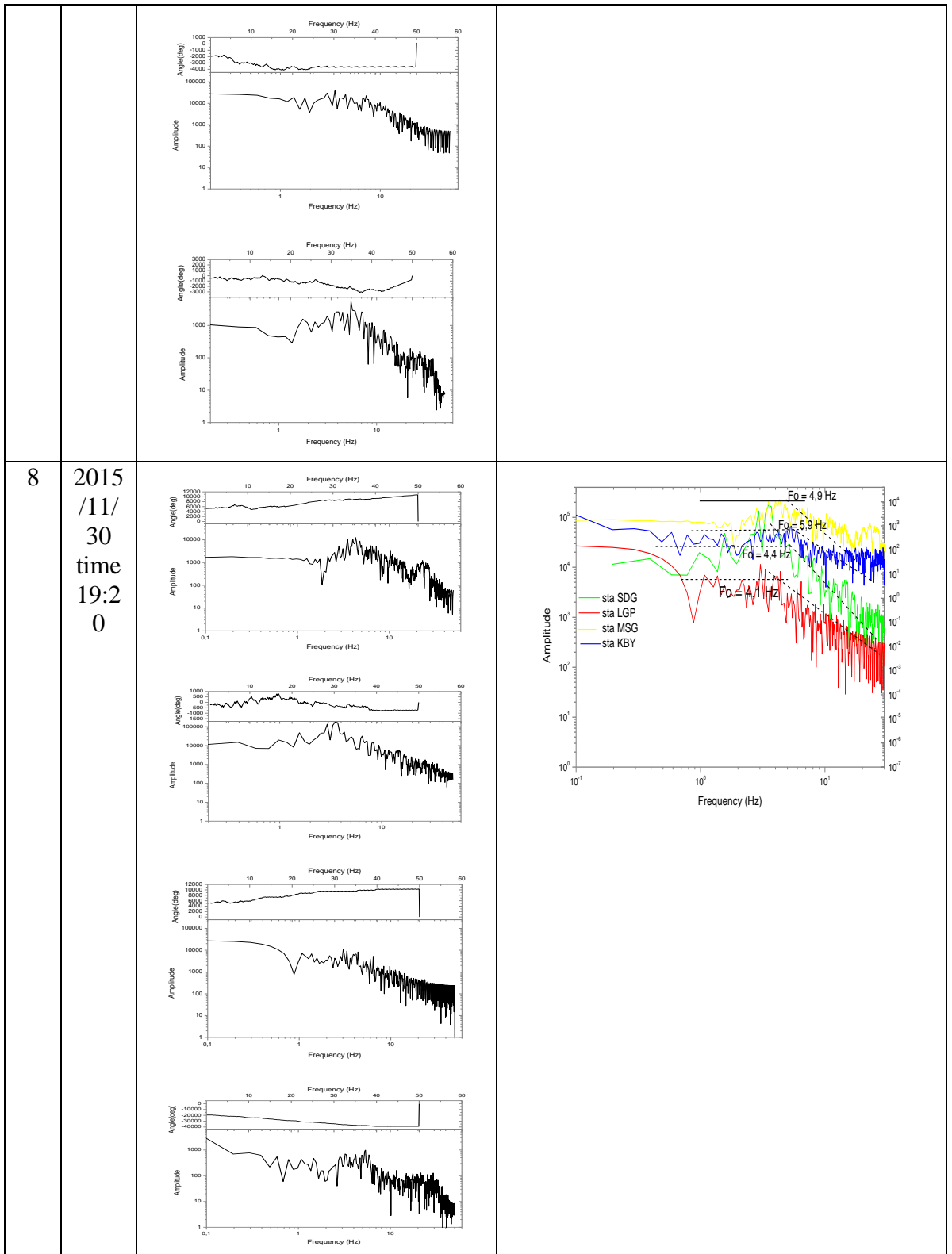
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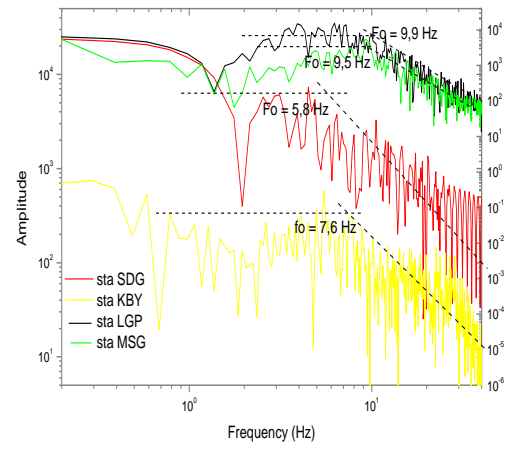
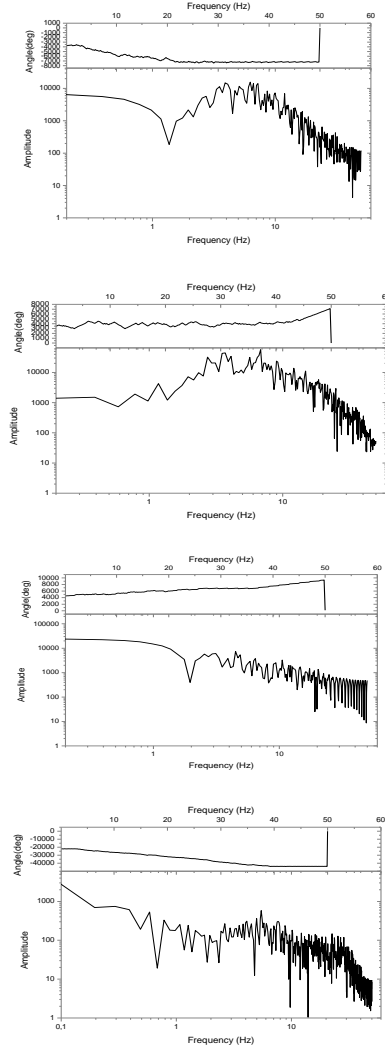
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### HASIL PERHITUNGAN PANJANG RUPTURE PERIODE OKTOBER 2015

#### A. STASIUN CTS

TGL/BLN/THN	Fo (frekuensi cut off)	r (radius dari sumber )	L (pjng rupture)
01/10/2015	4	150,7213376	301,4426752
06/10/2015	4,6	131,0620327	262,1240654
08/10/2015	7,5	80,38471338	160,7694268
09/10/2015	5,6	107,6580983	215,3161965
12/10/2015	8,2	73,5226037	147,0452074
16/10/2015	0,7	861,2647862	1722,529572
18/10/2015	9,7	62,1531289	124,3062578
19/10/2015	6	100,4808917	200,9617834
20/10/2015	9,3	64,82638175	129,6527635
20/10/2015	10,9	55,3105826	110,6211652
21/10/2015	0		0
21/10/2015	10,5	57,41765241	114,8353048
23/10/2015	4,9	123,0378266	246,0756532
23/10/2015	7	86,12647862	172,2529572
26/10/2015	0		0
28/10/2015	0		0

#### B. STASIUN MSG

TGL/BLN/THN	Fo (frekuensi cut off)	r (radius dari sumber )	L (pjng rupture)
01/10/2015	3,6	167,4681529	334,9363057
06/10/2015	4,5	133,9745223	267,9490446
08/10/2015	10,1	59,69161884	119,3832377
09/10/2015	7,7	78,29679874	156,5935975
12/10/2015	3,7	162,9419866	325,8839731
16/10/2015	10,9	55,3105826	110,6211652
18/10/2015	8,9	67,739927	135,479854
19/10/2015	6,6	91,3462652	182,6925304
20/10/2015	11,3	53,35268587	106,7053717
20/10/2015	14,4	41,86703822	83,73407643
21/10/2015	1,2	502,4044586	1004,808917
21/10/2015	10,5	57,41765241	114,8353048

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23/10/2015	3,4	177,3192207	354,6384414
23/10/2015	5,8	103,9457501	207,8915001
26/10/2015	6,6	91,3462652	182,6925304
28/10/2015	6,8	88,65961034	177,3192207

### C. STASIUN SDG

TGL/BLN/THN	Fo (frekuensi cut off)	r (radius dari sumber)	L (pjng ruptur)
01/10/2015	4	150,7213376	301,4426752
06/10/2015	8,6	70,10294771	140,2058954
08/10/2015	6,3	95,69608735	191,3921747
09/10/2015	4,5	133,9745223	267,9490446
12/10/2015	10,1	59,69161884	119,3832377
16/10/2015	10,9	55,3105826	110,6211652
18/10/2015	14,4	41,86703822	83,73407643
19/10/2015	6	100,4808917	200,9617834
20/10/2015	15	40,19235669	80,38471338
20/10/2015	14	43,06323931	86,12647862
21/10/2015	3	200,9617834	401,9235669
21/10/2015	10,3	58,53255828	117,0651166
23/10/2015	0		0
23/10/2015	7,4	81,47099329	162,9419866
26/10/2015	6,25	96,46165605	192,9233121
28/10/2015	7,8	77,29299363	154,5859873

### D. STASIUN LGP

TGL/BLN/THN	Fo (frekuensi cut off)	r (radius dari sumber)	L (pjng ruptur)
01/10/2015	4,1	147,0452074	294,0904148
06/10/2015	4,2	143,544131	287,0882621
08/10/2015	7,6	79,32701978	158,6540396
09/10/2015	4,4	137,0193978	274,0387956
12/10/2015	10,8	55,82271762	111,6454352
16/10/2015	10,9	55,3105826	110,6211652
18/10/2015	10,9	55,3105826	110,6211652
19/10/2015	6,1	98,83366399	197,667328
20/10/2015	15	40,19235669	80,38471338

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20/10/2015	12,5	48,23082803	96,46165605
21/10/2015	2,7	223,2908705	446,581741
21/10/2015	16,3	36,98683131	73,97366262
23/10/2015	4,5	133,9745223	267,9490446
23/10/2015	6,8	88,65961034	177,3192207
26/10/2015	6,9	87,37468845	174,7493769
28/10/2015	6,3	95,69608735	191,3921747

#### E. STASIUN KBY

TGL/BLN/THN	Fo (frekuensi cut off)	r (radius dari sumber )	L (pjng ruptur)
01/10/2015	3,6	167,4681529	334,9363057
06/10/2015	6,1	98,83366399	197,667328
08/10/2015	0		0
09/10/2015	0		0
12/10/2015	0		0
16/10/2015	0,6	1004,808917	2009,617834
18/10/2015	0		0
19/10/2015	0		0
20/10/2015	11,7	51,52866242	103,0573248
20/10/2015	0		0
21/10/2015	8,1	74,43029016	148,8605803
21/10/2015	9,6	62,80055732	125,6011146
23/10/2015	4,11	146,6874332	293,3748663
23/10/2015	0		0
26/10/2015	0		0
28/10/2015	0		0

Panjang rekahan gempa (panjang *rupture* dapat dihitung menggunakan rumus empiris sebagai berikut :

$$r = \frac{2,34 \beta}{2 \pi f} \quad (4.1)$$

$$L = 2 r \quad (4.2)$$

Keterangan :

r = radius dari sumber (m)

L = panjang *rupture* (m)

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$\beta$  = kecepatan gelombang S (m/s)  
 F = frekuensi cut off

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### HASIL PERHITUNGAN PANJANG RUPTURE PERIODE NOVEMBER 2015

#### A. STASIUN CTS

TGL/BLN THN	Fo (frekuensi cut off)	r (radius dari sumber)	L (pjng rupture)
18/11/2015	0		0
18/11/2015	--		0
20/11/2015	5,7	105,7693597	211,5387194
27/11/2015	0		0
21/11/2015	8,9	67,739927	135,479854
21/11/2015	6,25	96,46165605	192,9233121
21/11/2015	0		0
30/11/2015	0		
30/11/2015	0		

#### B. STASIUN MSG

TGL/BLN THN	Fo (frekuensi cut off)	r (radius dari sumber)	L (pjng rupture)
18/11/2015	4,7	128,2734788	256,5469576
18/11/2015	4,7	128,2734788	256,5469576
20/11/2015	6,1	98,83366399	197,667328
27/11/2015	8,9	67,739927	135,479854
21/11/2015	15,9	37,91731763	75,83463526
21/11/2015	5,5	109,6155182	219,2310365
21/11/2015	4,4	137,0193978	274,0387956
30/11/2015	4,9	123,0378266	246,0756532
30/11/2015	9,5	63,46161582	126,9232316

#### C. STASIUN SDG

TGL/BLN	Fo	r	L
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THN	(frekuensi cut off)	(radius dari sumber)	(pjng rupture)
18/11/2015	3,8	158,6540396	317,3080791
18/11/2015	3,8	158,6540396	317,3080791
20/11/2015	4,3	140,2058954	280,4117908
27/11/2015	7,6	79,32701978	158,6540396
21/11/2015	11,7	51,52866242	103,0573248
21/11/2015	4,4	137,0193978	274,0387956
21/11/2015	3,6	167,4681529	334,9363057
30/11/2015	4,4	137,0193978	274,0387956
30/11/2015	5,8	103,9457501	207,8915001

#### D. STASIUN LGP

TGL/BLN THN	Fo (frekuensi cut off)	r (radius dari sumber)	L (pjng rupture)
18/11/2015	4,7	128,2734788	256,5469576
18/11/2015	4,7	128,2734788	256,5469576
20/11/2015	6,5	92,75159236	185,5031847
27/11/2015	7	86,12647862	172,2529572
21/11/2015	13,1	46,02178247	92,04356493
21/11/2015	0		
21/11/2015	14,5	41,57830002	83,15660004
30/11/2015	4,1	147,0452074	294,0904148
30/11/2015	9,9	60,89751013	121,7950203

#### E. STASIUN KBY

TGL/BLN THN	Fo (frekuensi cut off)	r (radius dari sumber)	L (pjng rupture)
18/11/2015	5,3	113,7519529	227,5039058
18/11/2015	5,3	113,7519529	227,5039058
20/11/2015	7,1	84,91342962	169,8268592
27/11/2015	10,5	57,41765241	114,8353048
21/11/2015	18,7	32,23985831	64,47971661
21/11/2015	4,9	123,0378266	246,0756532
21/11/2015	6	100,4808917	200,9617834
30/11/2015	5,9	102,1839577	204,3679154
30/11/2015	7,6	79,32701978	158,6540396

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Panjang rekahan gempa (panjang *rupture* dapat dihitung menggunakan rumus empiris sebagai berikut :

$$r = \frac{2,34 \beta}{2 \pi f} \quad (4.2)$$

$$L = 2 r \quad (4.2)$$

Keterangan :

$r$  = radius dari sumber (m)

$L$  = panjang *rupture* (m)

$\beta$  = kecepatan gelombang S (m/s)

$F$  = frekuensi cut off