

```
In [9]: import pickle
        from AttenuationFunctionsTesting import max_and_normalized_max_plots

        with open('near_field_df.pkl', 'rb') as pkl_file:
            df = pickle.load(pkl_file)
            print("Completed: Loaded data from the near_field_df.pkl file")

        #print(df)
```

Completed: Loaded data from the near_field_df.pkl file

```
In [10]: df
```

Out[10]:

	station name	distance	event	location	magnitude	mag type	max amplitude	frequency band	max amplitude (normalized)
0	R4002	908.268837124511492	2021-06-27T20:09:49.584000Z	[16.5489, -76.277, 10.0]	4.2000000000000000	ml	0.000000534662376	(0.1, 0.25)	-0.635310200530751
1	R50D4	338.468946591174472	2021-06-27T20:09:49.584000Z	[16.5489, -76.277, 10.0]	4.2000000000000000	ml	0.000000581083235	(0.1, 0.25)	-0.599151479049431
2	RCE1F	379.453807821896021	2021-06-27T20:09:49.584000Z	[16.5489, -76.277, 10.0]	4.2000000000000000	ml	0.000003295512426	(0.1, 0.25)	0.154533129014280
3	RD4D8	579.622998482174808	2021-06-27T20:09:49.584000Z	[16.5489, -76.277, 10.0]	4.2000000000000000	ml	0.000000602280946	(0.1, 0.25)	-0.583590700291451
4	R4002	908.268837124511492	2021-06-27T20:09:49.584000Z	[16.5489, -76.277, 10.0]	4.2000000000000000	ml	0.000000200171017	(0.25, 0.5)	-1.061988629681866
...
115	RD4D8	210.678227300626787	2021-01-12T19:16:27.853000Z	[16.5221, -72.0398, 14.17]	4.4000000000000000	mb	0.000002338647498	(0.5, 0.75)	0.764985240319231
116	R50D4	251.935331799828901	2021-01-12T19:16:27.853000Z	[16.5221, -72.0398, 14.17]	4.4000000000000000	mb	0.000001186120558	(0.75, 1.0)	0.470149307608398
117	RD4D8	210.678227300626787	2021-01-12T19:16:27.853000Z	[16.5221, -72.0398, 14.17]	4.4000000000000000	mb	0.000003527407220	(0.75, 1.0)	0.943476073825657
118	R50D4	251.935331799828901	2021-01-12T19:16:27.853000Z	[16.5221, -72.0398, 14.17]	4.4000000000000000	mb	0.000001879365470	(1.0, 1.25)	0.670031717430464
119	RD4D8	210.678227300626787	2021-01-12T19:16:27.853000Z	[16.5221, -72.0398, 14.17]	4.4000000000000000	mb	0.000007065519054	(1.0, 1.25)	1.245164546157867

120 rows × 9 columns

```
In [11]: max_and_normalized_max_plots(df)
```

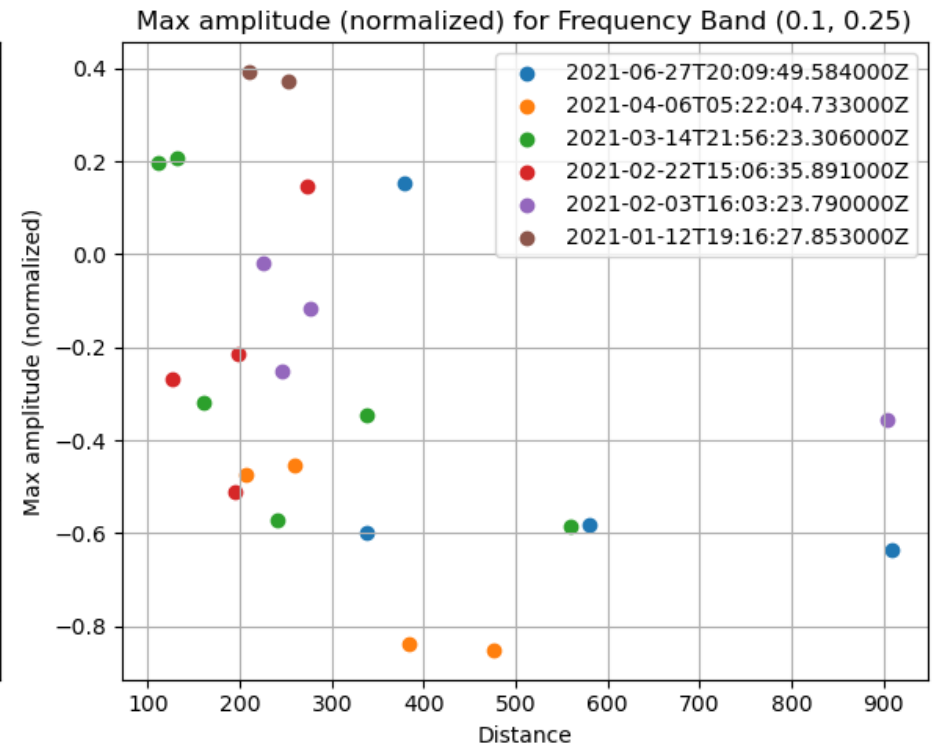
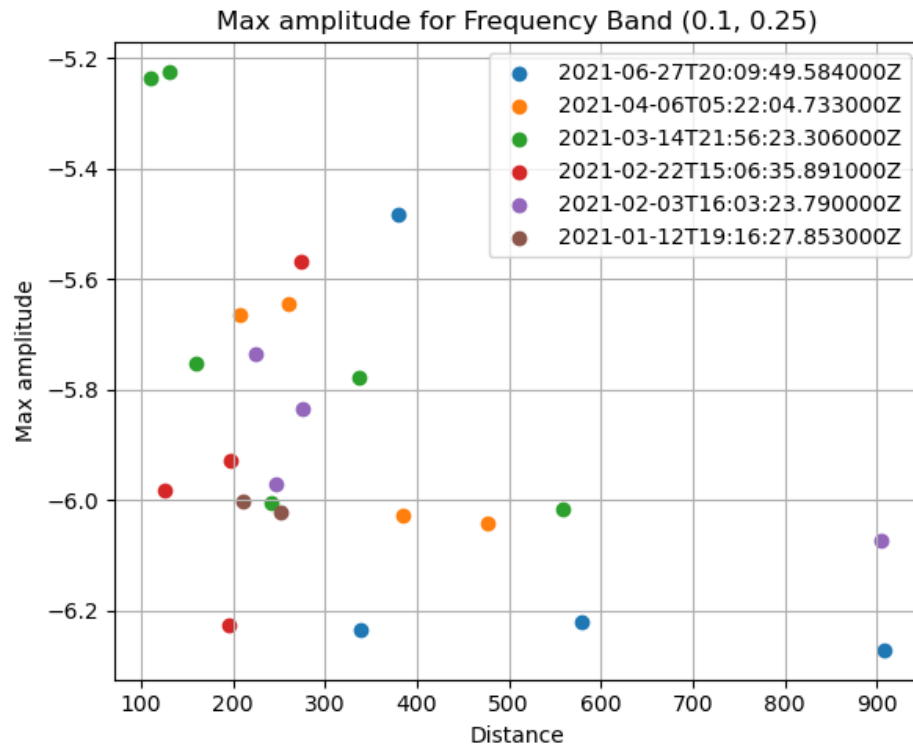
/Users/hkunwer/Documents/research/EQenergy/Wiggles/Attenuation/AttenuationFunctionsTesting.py:330: SettingWithCopyWarning:

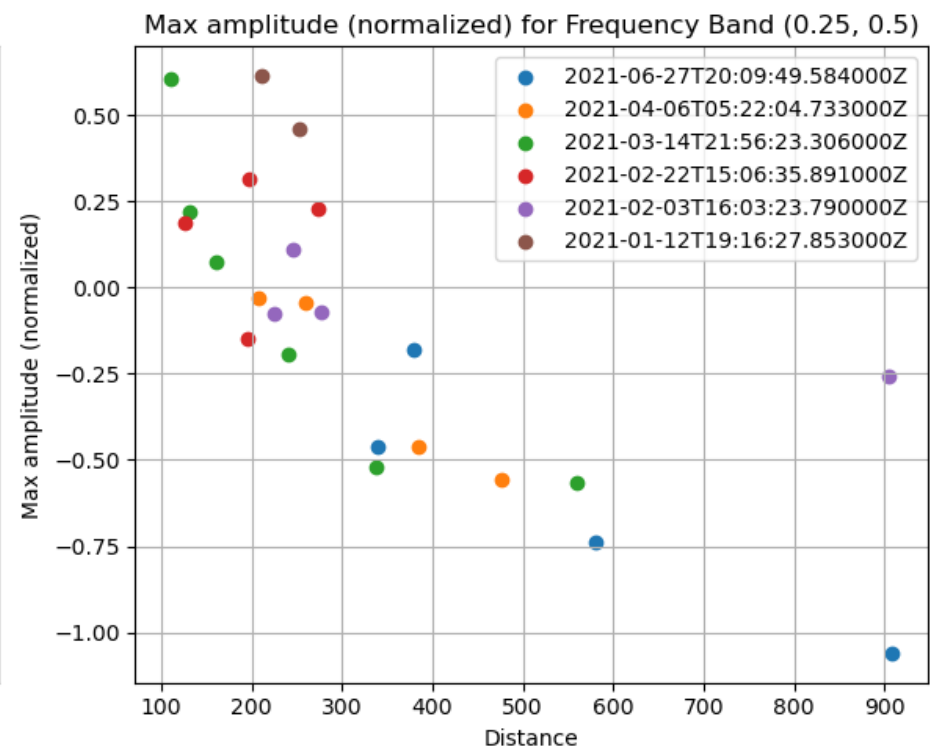
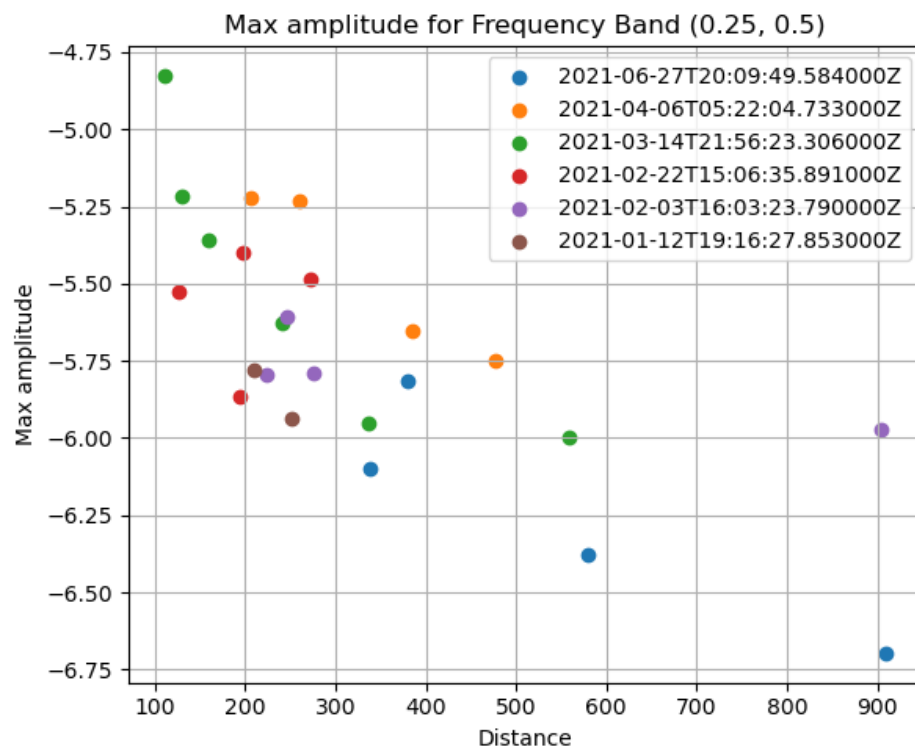
A value is trying to be set on a copy of a slice from a DataFrame.

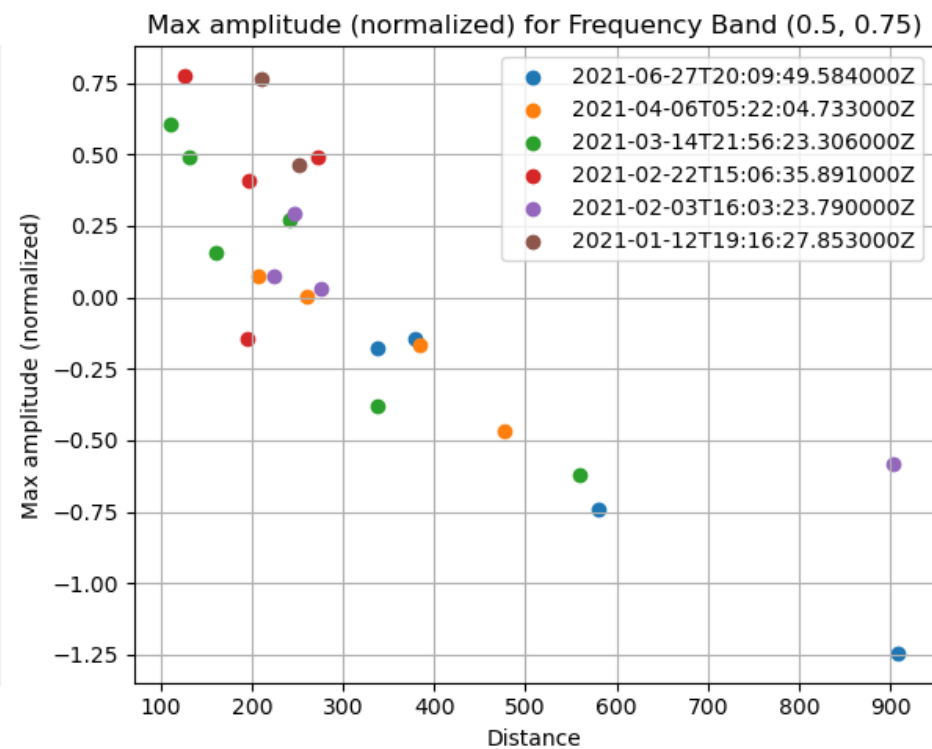
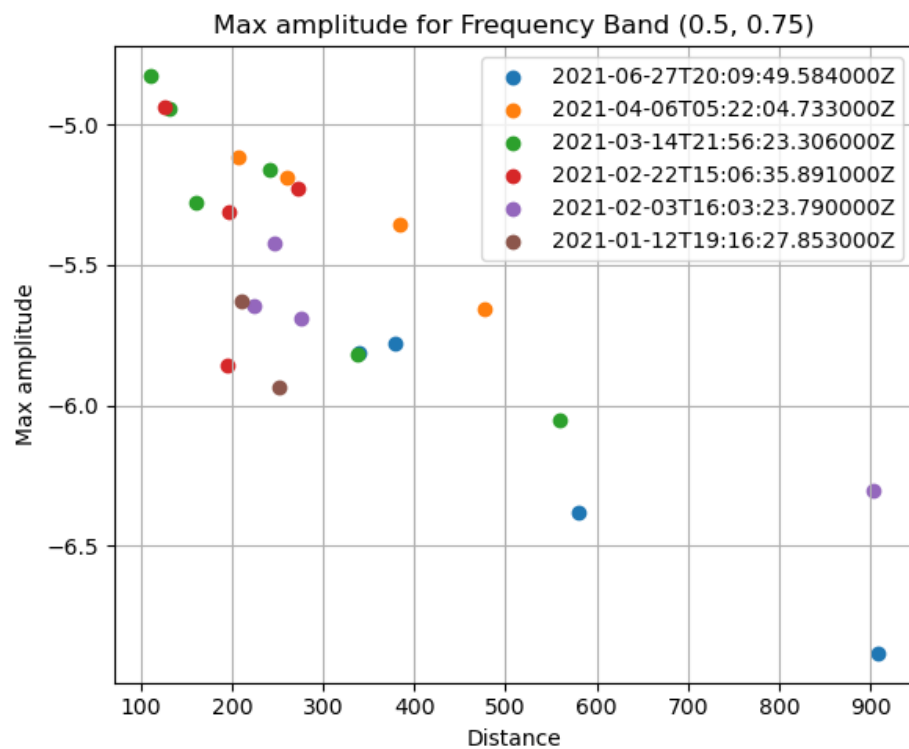
Try using `.loc[row_indexer,col_indexer] = value` instead

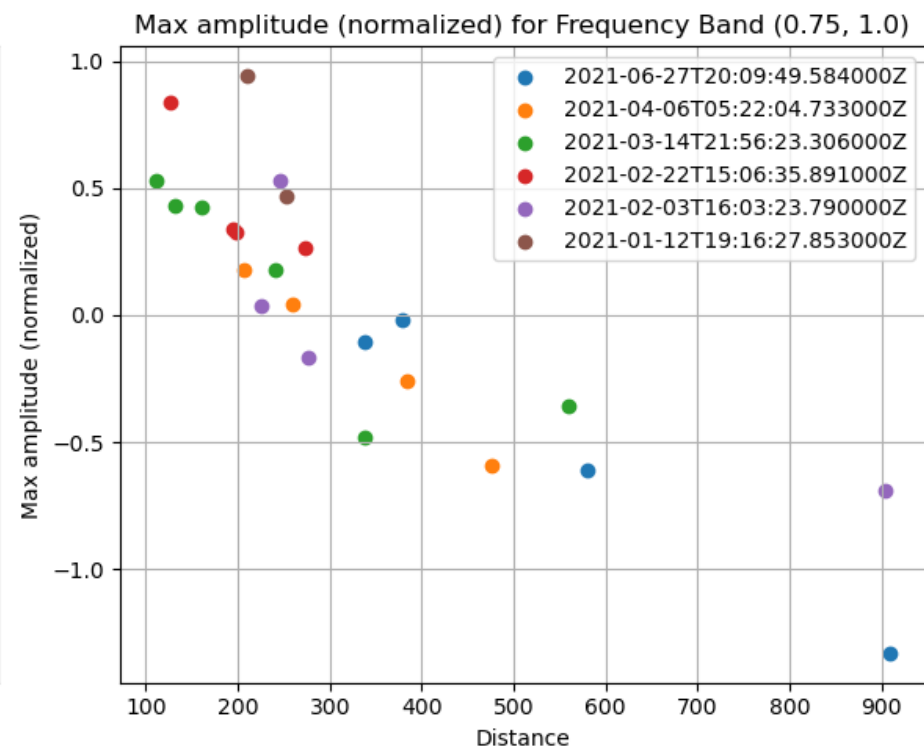
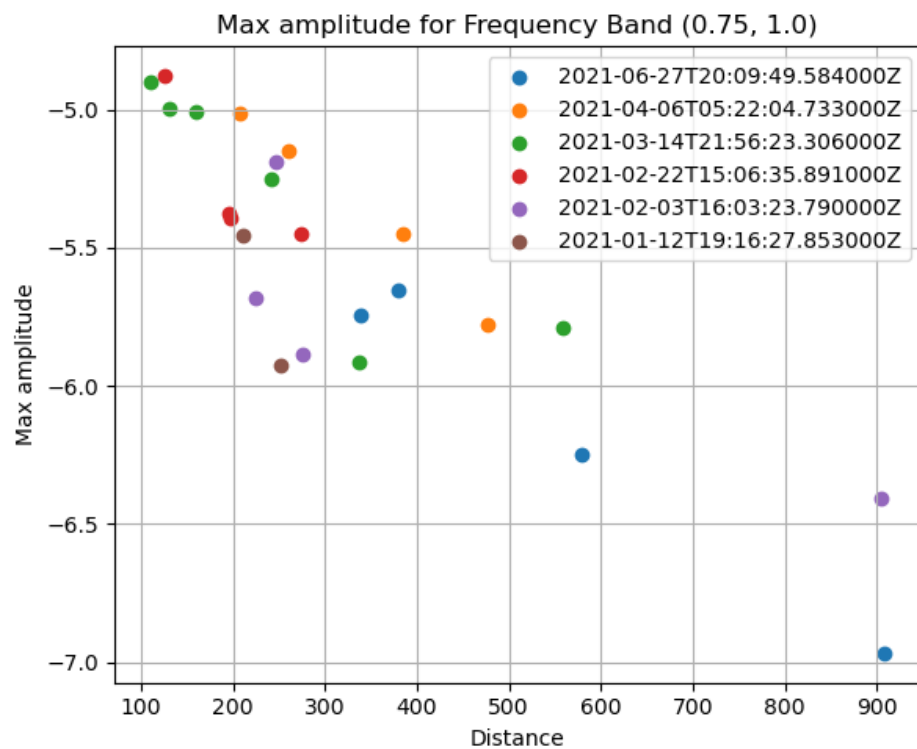
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

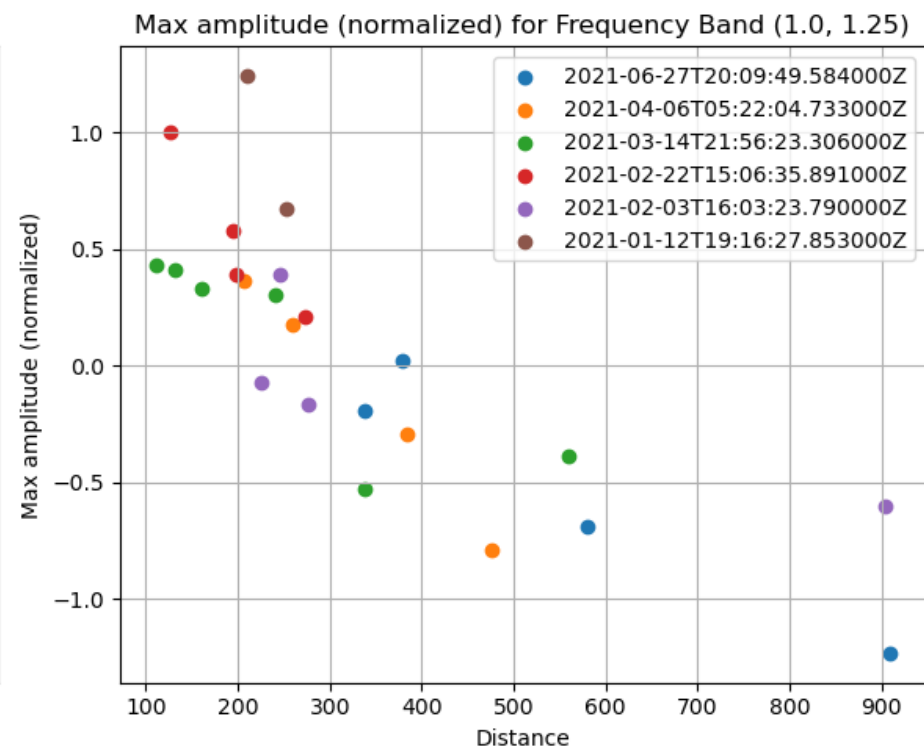
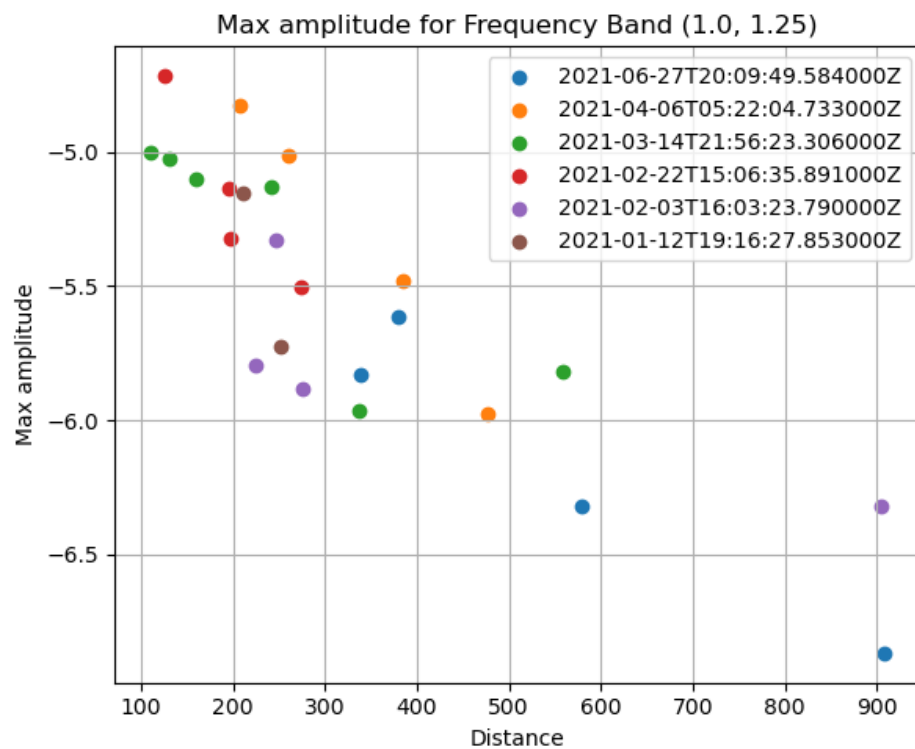
```
filtered_df.loc[:, 'event'] = filtered_df['event'].astype(str)
```












```

In [8]: import matplotlib.pyplot as plt
import numpy as np
import pandas as pd

pd.set_option('display.float_format', lambda x: '%.15f' % x)

# Convert 'event' column to string type
df.loc[:, 'event'] = df['event'].astype(str)

# # Get unique events (dates) from the filtered data

unique_events = df['event'].unique()

for target_event in unique_events:

    freqlist = [(0.10, 0.25), (0.25, 0.50), (0.50, 0.75), (0.75, 1.00), (1.00, 1.25)]

    for freq_band in freqlist:
        # Convert 'frequency band' to a tuple with the correct format
        filtered_df = df[df['frequency band'] == freq_band]

        # Filter for the target event in the specified frequency band
        filtered_df = filtered_df[filtered_df['event'] == target_event]

        print(filtered_df)

        if filtered_df.empty:
            continue

        fig, axs = plt.subplots(1, 2, figsize=(12, 5))

        for event in [target_event]:
            event_data = filtered_df[filtered_df['event'] == event]

            axs[0].scatter(
                event_data['distance'],
                np.log10(event_data['max amplitude']),
                label=event)
            axs[0].set_xlabel('Distance')
            axs[0].set_ylabel('Max amplitude')
            axs[0].set_title(f'Max amplitude for Frequency Band {freq_band}')
            axs[0].legend()
            axs[0].grid(True)

            axs[1].scatter(

```

```

        event_data['distance'],
        event_data['max amplitude (normalized)'],
        label=event)
    axs[1].set_xlabel('Distance')
    axs[1].set_ylabel('Max amplitude (normalized)')
    axs[1].set_title(f'Max amplitude (normalized) for Frequency Band {freq_band}')
    axs[1].legend()
    axs[1].grid(True)

plt.tight_layout()
plt.show()

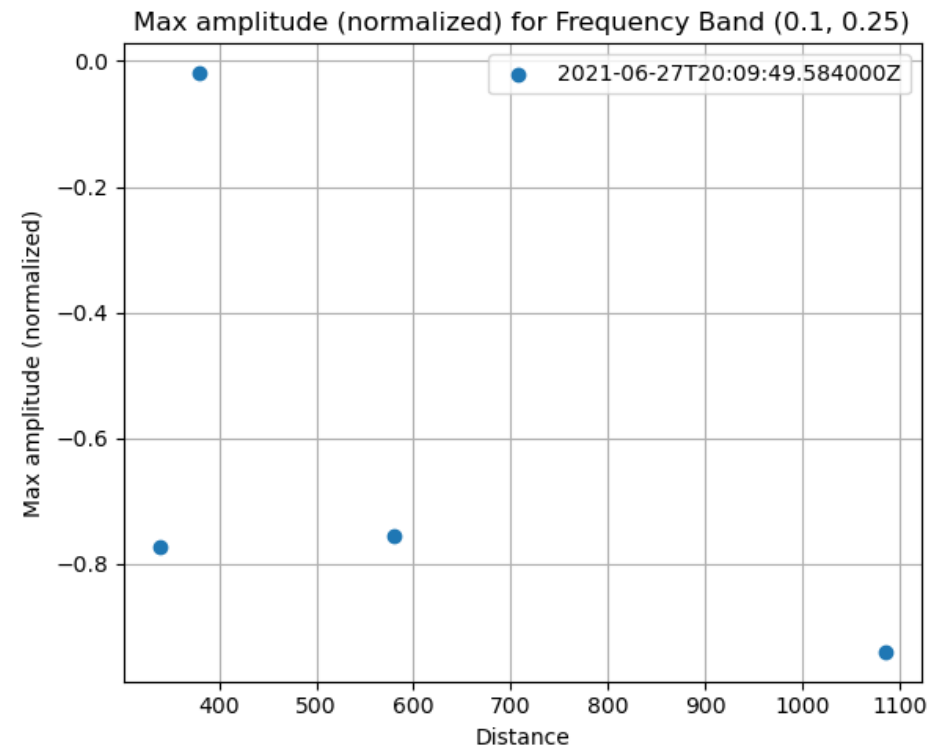
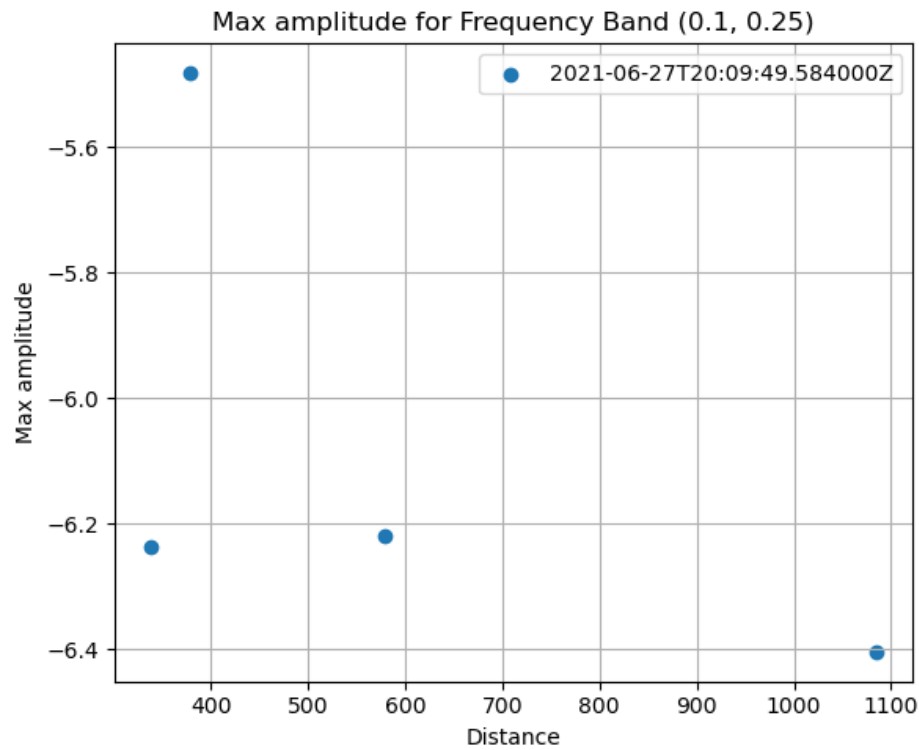
```

Call the function with your DataFrame

	station name	distance	event \
0	R3CD4	1084.987082155695816	2021-06-27T20:09:49.584000Z
1	R50D4	338.468946591174472	2021-06-27T20:09:49.584000Z
2	RCE1F	379.453807821896021	2021-06-27T20:09:49.584000Z
3	RD4D8	579.622998482174808	2021-06-27T20:09:49.584000Z

	location	magnitude	mag type	max amplitude \
0	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000393948491
1	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000581083235
2	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000003295512426
3	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000602280946

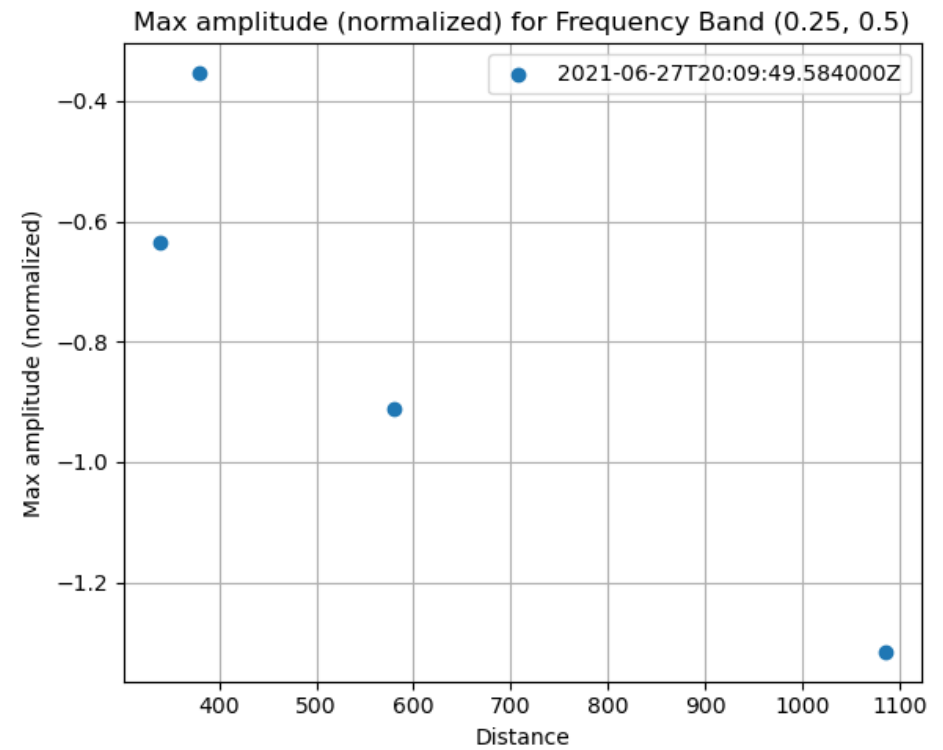
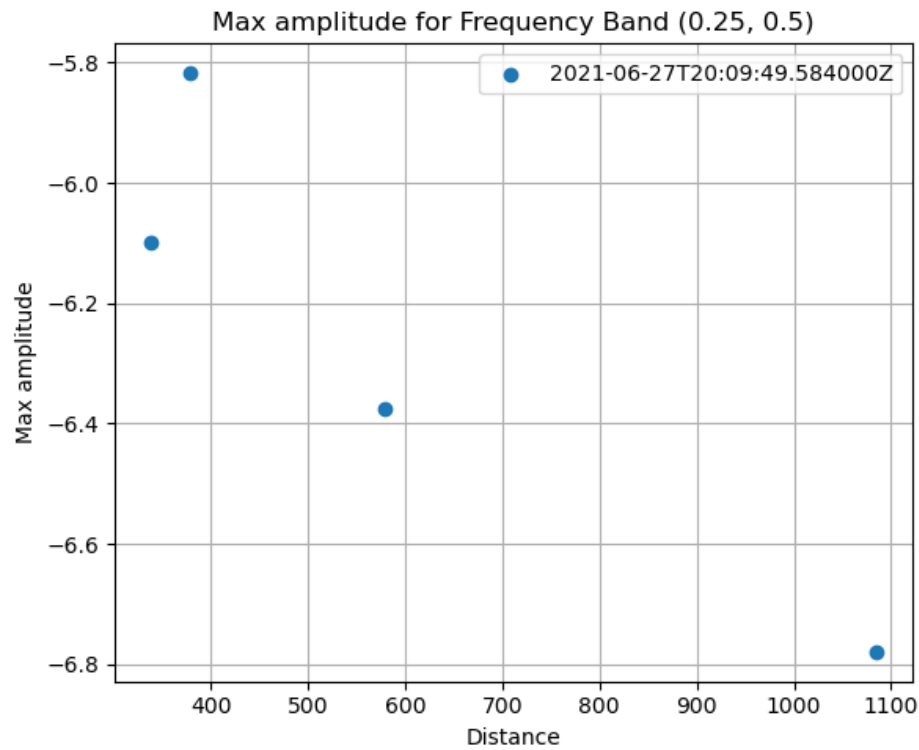
	frequency band	max amplitude (normalized)
0	(0.1, 0.25)	-0.940729840237233
1	(0.1, 0.25)	-0.771930936610780
2	(0.1, 0.25)	-0.018246328547069
3	(0.1, 0.25)	-0.756370157852800



	station name	distance	event \
4	R3CD4	1084.987082155695816	2021-06-27T20:09:49.584000Z
5	R50D4	338.468946591174472	2021-06-27T20:09:49.584000Z
6	RCE1F	379.453807821896021	2021-06-27T20:09:49.584000Z
7	RD4D8	579.622998482174808	2021-06-27T20:09:49.584000Z

	location	magnitude	mag type	max amplitude \
4	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000165918251
5	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000795915422
6	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000001524279681
7	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000421051318

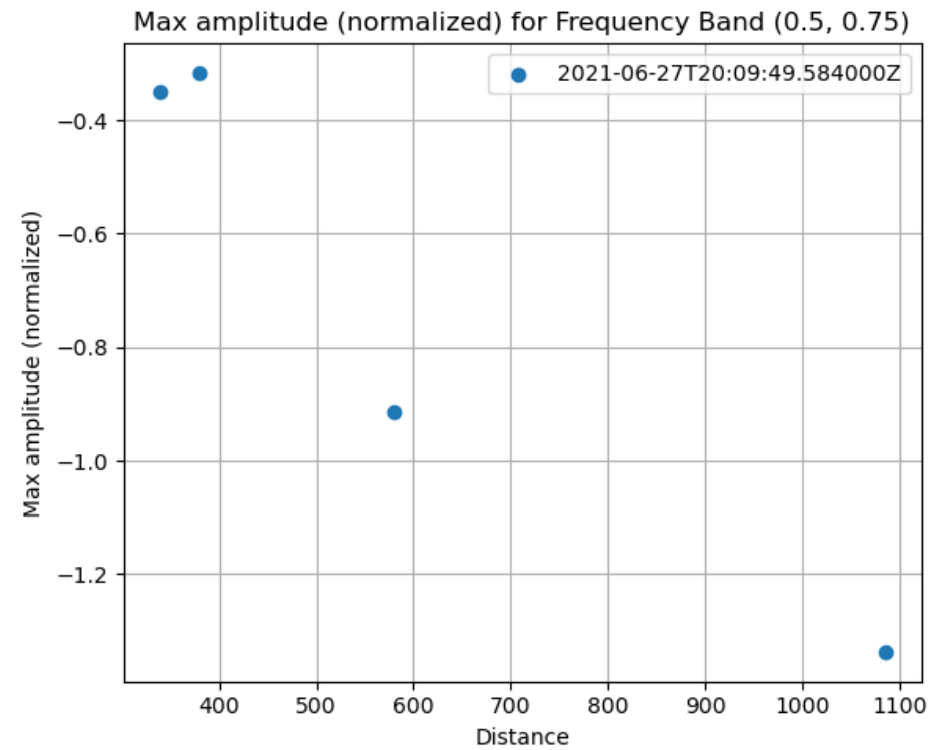
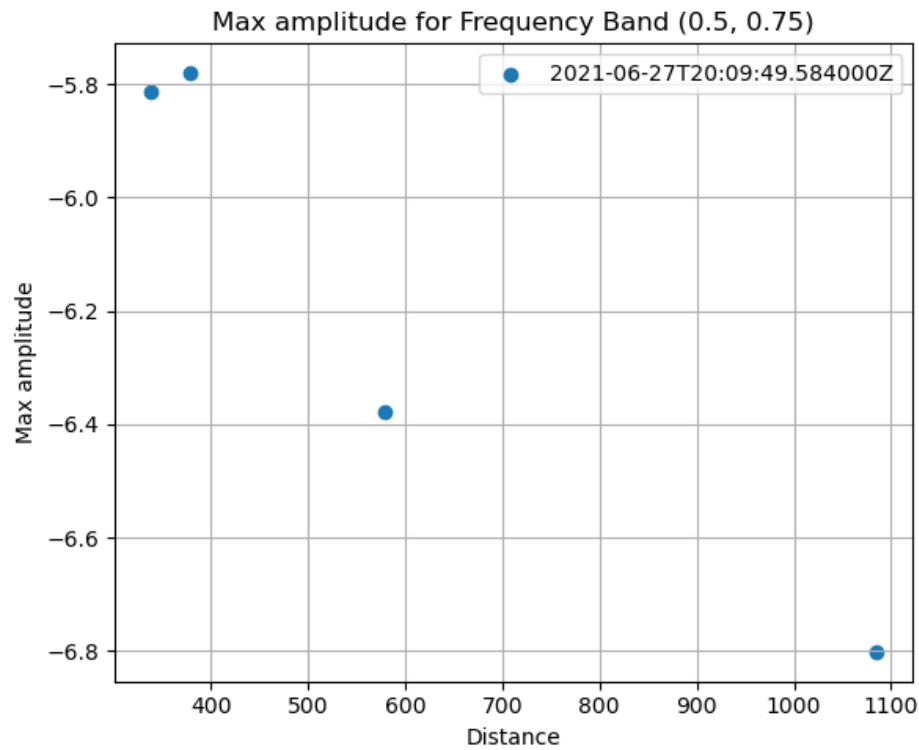
	frequency band	max amplitude (normalized)
4	(0.25, 0.5)	-1.316275121411376
5	(0.25, 0.5)	-0.635302362101228
6	(0.25, 0.5)	-0.353104621667074
7	(0.25, 0.5)	-0.911834250733041



	station name	distance	event \
8	R3CD4	1084.987082155695816	2021-06-27T20:09:49.584000Z
9	R50D4	338.468946591174472	2021-06-27T20:09:49.584000Z
10	RCE1F	379.453807821896021	2021-06-27T20:09:49.584000Z
11	RD4D8	579.622998482174808	2021-06-27T20:09:49.584000Z

	location	magnitude	mag type	max amplitude \
8	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000157722314
9	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000001532344503
10	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000001660546727
11	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000417851844

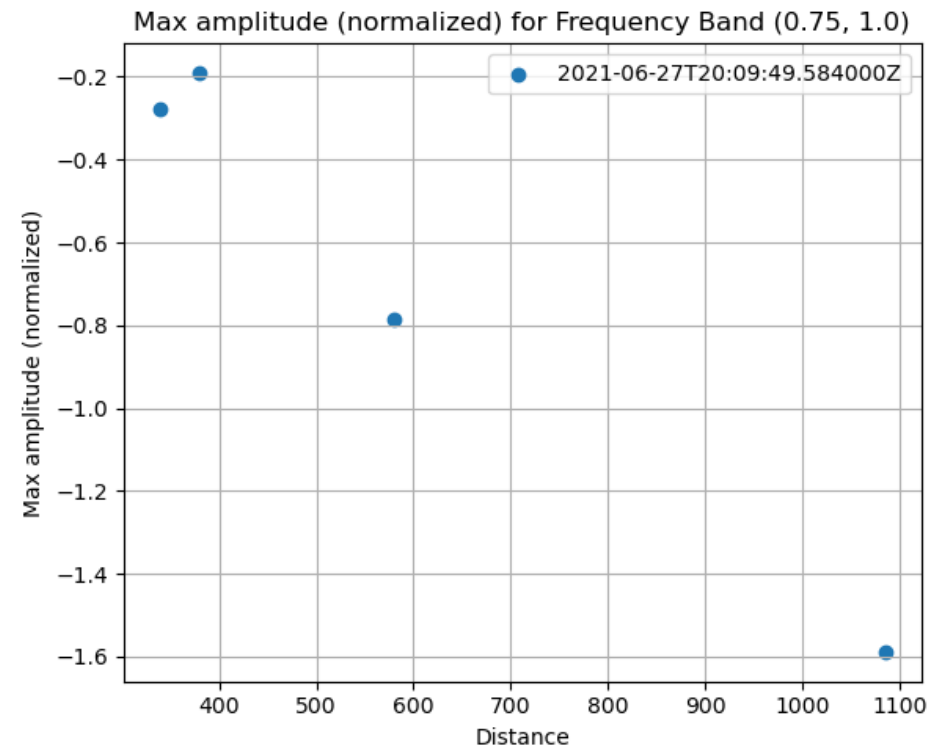
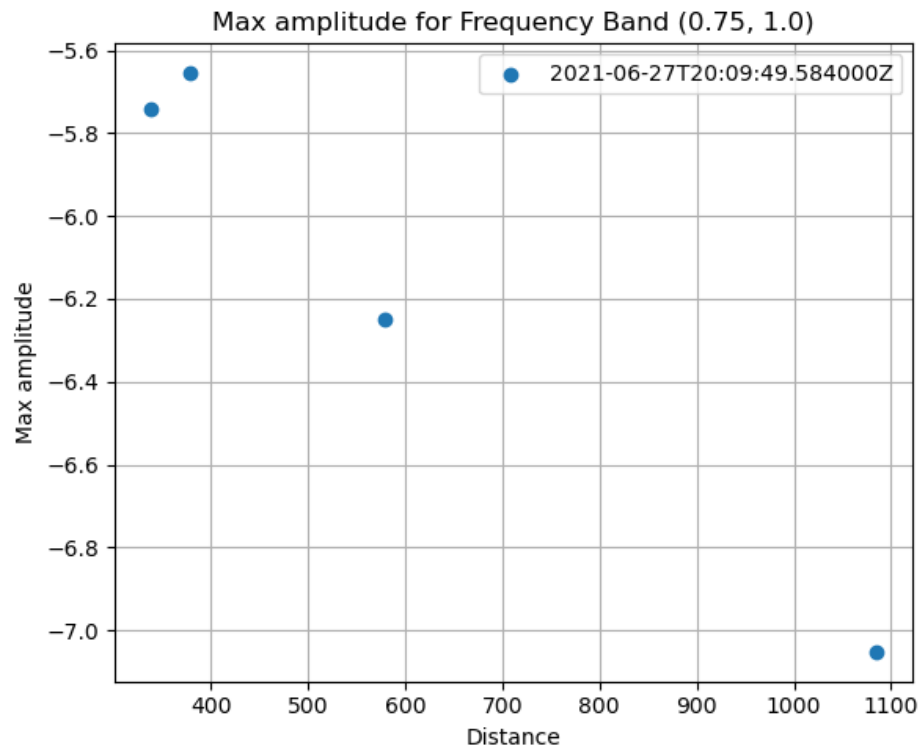
	frequency band	max amplitude (normalized)
8	(0.5, 0.75)	-1.338276142073155
9	(0.5, 0.75)	-0.350812867309922
10	(0.5, 0.75)	-0.315918181093068
11	(0.5, 0.75)	-0.915146958622999



	station name	distance	event \
12	R3CD4	1084.987082155695816	2021-06-27T20:09:49.584000Z
13	R50D4	338.468946591174472	2021-06-27T20:09:49.584000Z
14	RCE1F	379.453807821896021	2021-06-27T20:09:49.584000Z
15	RD4D8	579.622998482174808	2021-06-27T20:09:49.584000Z

	location	magnitude	mag type	max amplitude \
12	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000088382930
13	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000001810578709
14	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000002220131376
15	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000563906183

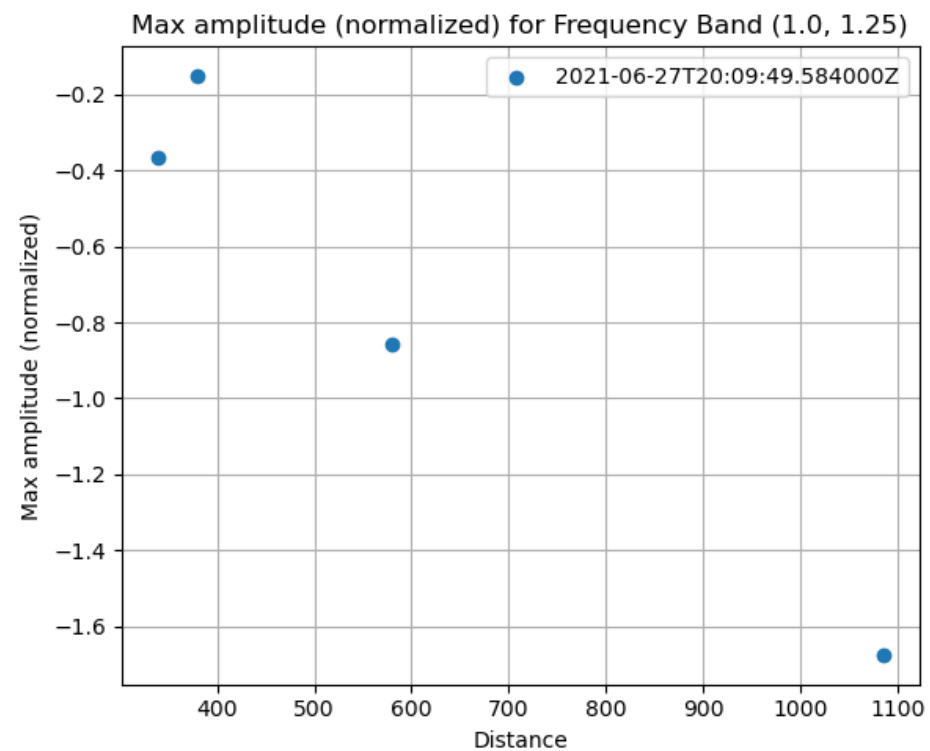
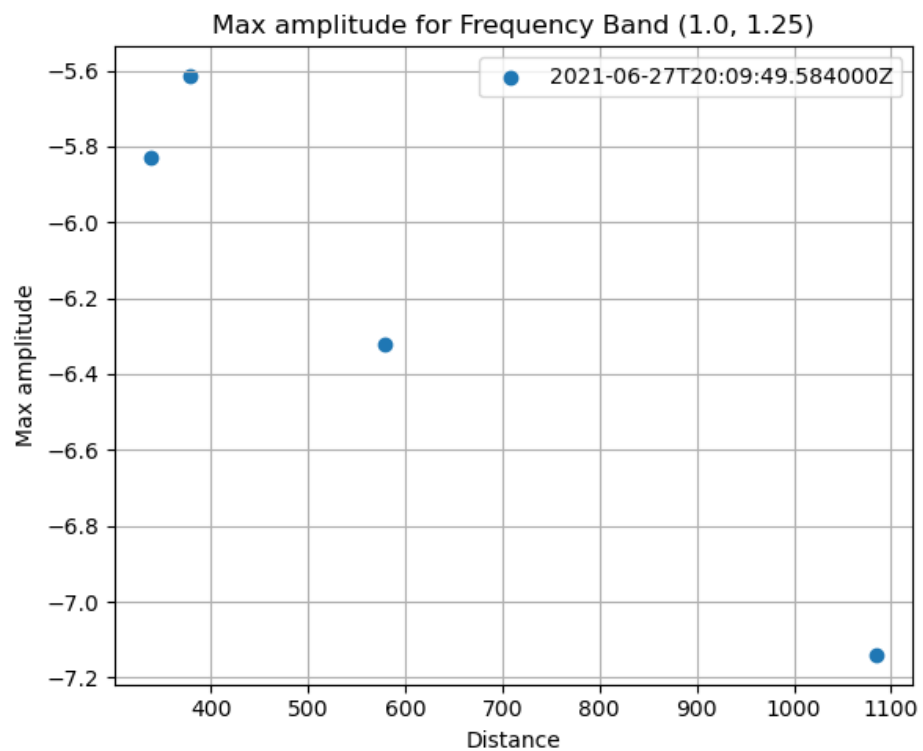
	frequency band	max amplitude (normalized)
12	(0.75, 1.0)	-1.589800886236402
13	(0.75, 1.0)	-0.278351872938477
14	(0.75, 1.0)	-0.189790607540658
15	(0.75, 1.0)	-0.784962425217619



	station name	distance	event \
16	R3CD4	1084.987082155695816	2021-06-27T20:09:49.584000Z
17	R50D4	338.468946591174472	2021-06-27T20:09:49.584000Z
18	RCE1F	379.453807821896021	2021-06-27T20:09:49.584000Z
19	RD4D8	579.622998482174808	2021-06-27T20:09:49.584000Z

	location	magnitude	mag type	max amplitude \
16	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000072222143
17	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000001475651518
18	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000002434963048
19	[16.5489, -76.277, 10.0]	4.2000000000000000	m1	0.000000475242766

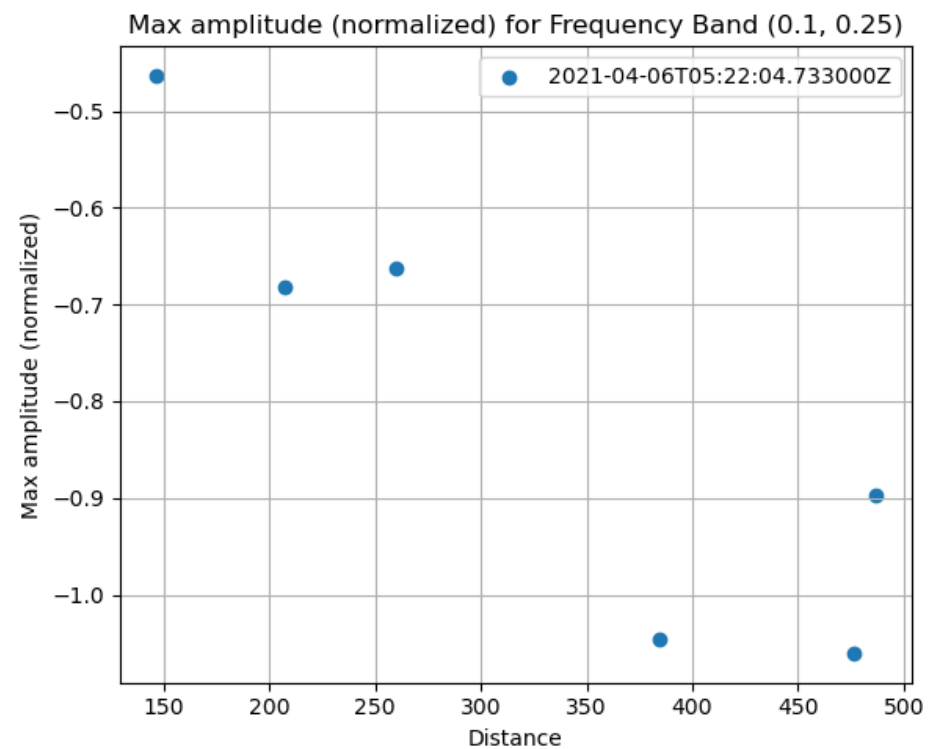
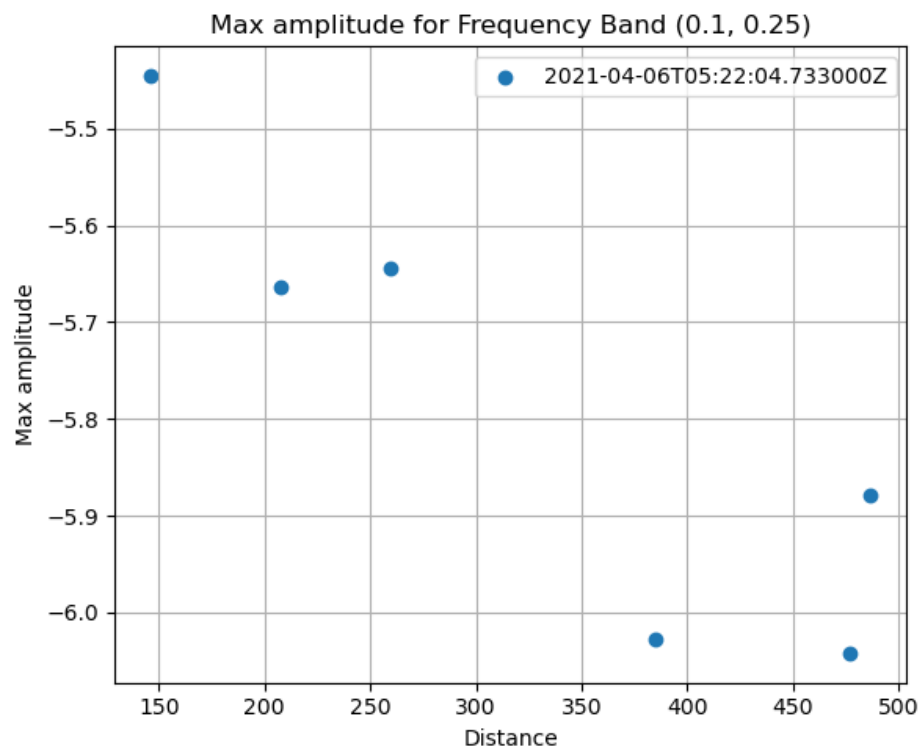
	frequency band	max amplitude (normalized)
16	(1.0, 1.25)	-1.677498909271546
17	(1.0, 1.25)	-0.367185473098735
18	(1.0, 1.25)	-0.149676907139390
19	(1.0, 1.25)	-0.859253766989736



	station name	distance	event \
20	R1D7C	476.632096339389363	2021-04-06T05:22:04.733000Z
21	R4EEE	384.481997940264648	2021-04-06T05:22:04.733000Z
22	RD4D8	259.645688629670076	2021-04-06T05:22:04.733000Z
23	RE001	486.752011853869647	2021-04-06T05:22:04.733000Z
24	REF37	146.042882404791158	2021-04-06T05:22:04.733000Z
25	REFAF	207.432266420409036	2021-04-06T05:22:04.733000Z

	location	magnitude	mag type	max amplitude \
20	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000000906703924
21	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000000939509818
22	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000002270525287
23	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000001323153614
24	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000003589071221
25	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000002166620704

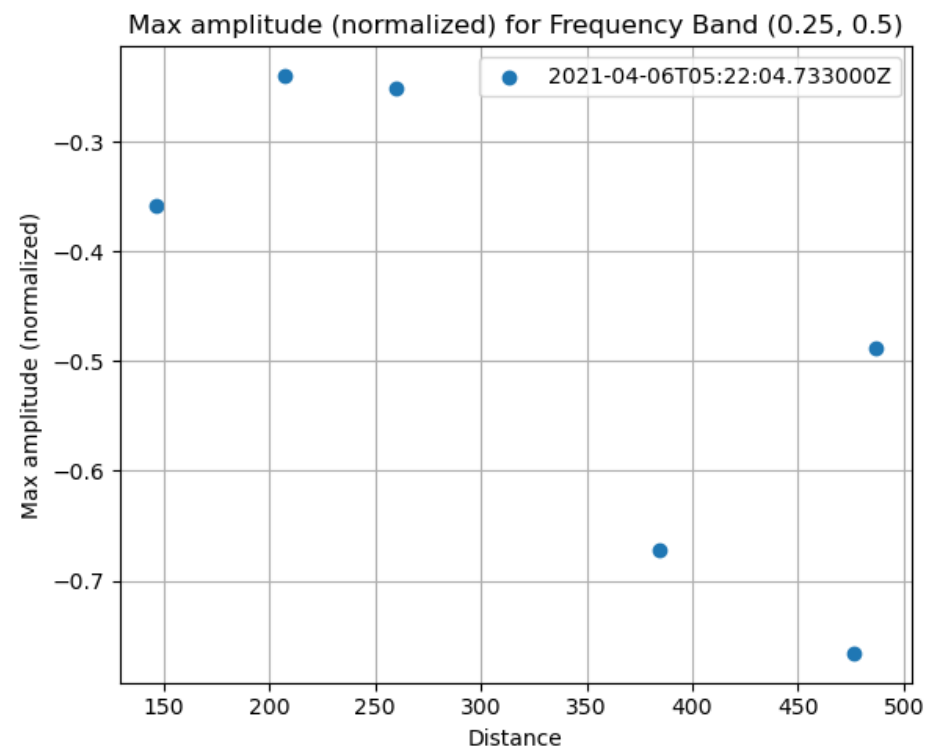
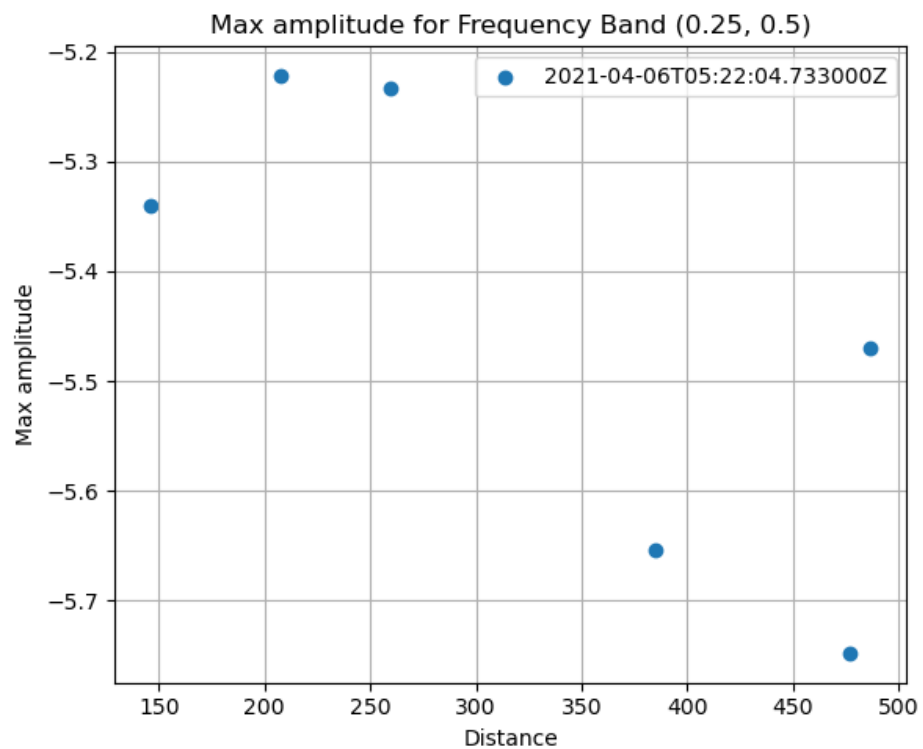
	frequency band	max amplitude (normalized)
20	(0.1, 0.25)	-1.060800557425960
21	(0.1, 0.25)	-1.045364729757249
22	(0.1, 0.25)	-0.662139709719296
23	(0.1, 0.25)	-0.896655785281998
24	(0.1, 0.25)	-0.463283976236986
25	(0.1, 0.25)	-0.682483163812080



	station name	distance	event \
26	R1D7C	476.632096339389363	2021-04-06T05:22:04.733000Z
27	R4EEE	384.481997940264648	2021-04-06T05:22:04.733000Z
28	RD4D8	259.645688629670076	2021-04-06T05:22:04.733000Z
29	RE001	486.752011853869647	2021-04-06T05:22:04.733000Z
30	REF37	146.042882404791158	2021-04-06T05:22:04.733000Z
31	REFAF	207.432266420409036	2021-04-06T05:22:04.733000Z

	location	magnitude	mag type	max amplitude \
26	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000001785529430
27	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000002221905740
28	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000005852578307
29	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000003391732606
30	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000004562696104
31	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000006003927432

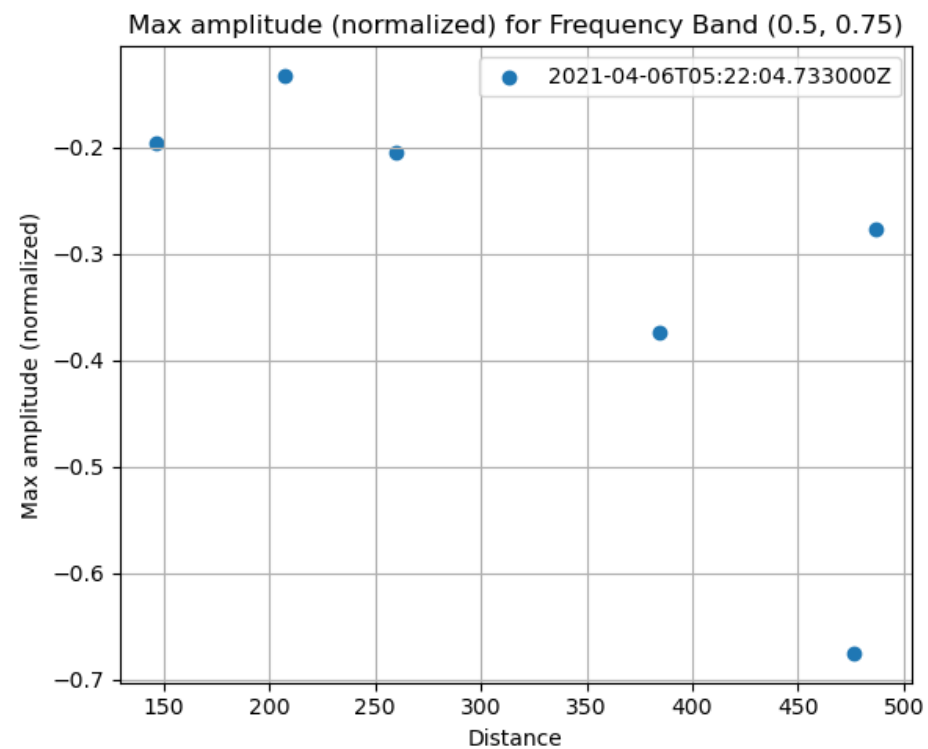
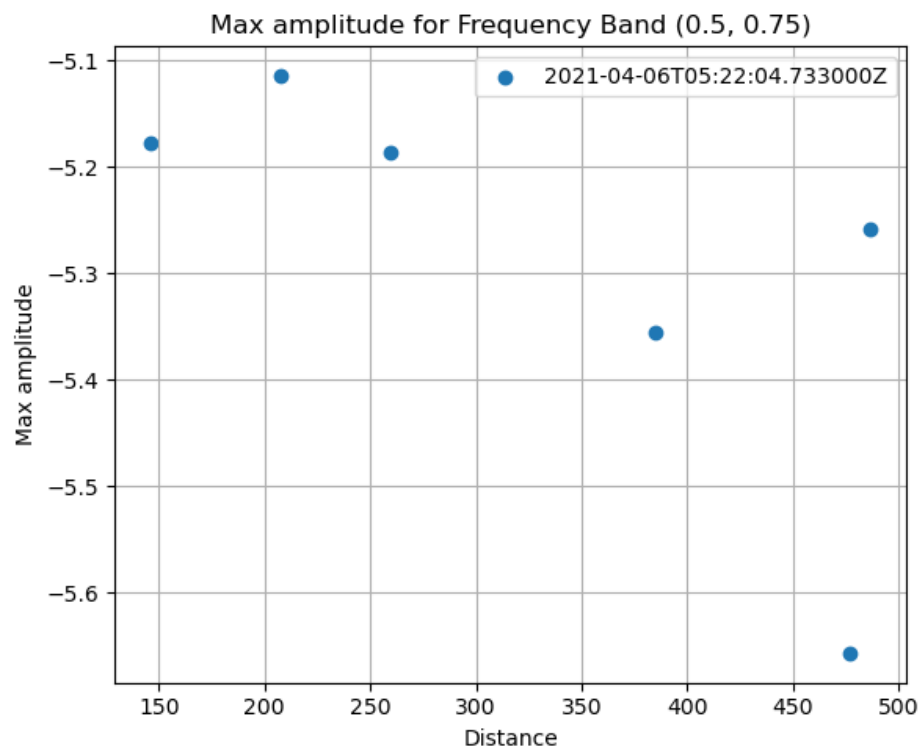
	frequency band	max amplitude (normalized)
26	(0.25, 0.5)	-0.766499039836341
27	(0.25, 0.5)	-0.671540421841121
28	(0.25, 0.5)	-0.250918819466826
29	(0.25, 0.5)	-0.487844446293266
30	(0.25, 0.5)	-0.359044508964234
31	(0.25, 0.5)	-0.239830618325102



	station name	distance	event \
32	R1D7C	476.632096339389363	2021-04-06T05:22:04.733000Z
33	R4EEE	384.481997940264648	2021-04-06T05:22:04.733000Z
34	RD4D8	259.645688629670076	2021-04-06T05:22:04.733000Z
35	RE001	486.752011853869647	2021-04-06T05:22:04.733000Z
36	REF37	146.042882404791158	2021-04-06T05:22:04.733000Z
37	REFAF	207.432266420409036	2021-04-06T05:22:04.733000Z

	location	magnitude	mag type	max amplitude \
32	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000002199600881
33	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000004410413798
34	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000006507794549
35	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000005516484180
36	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000006634492967
37	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000007688178461

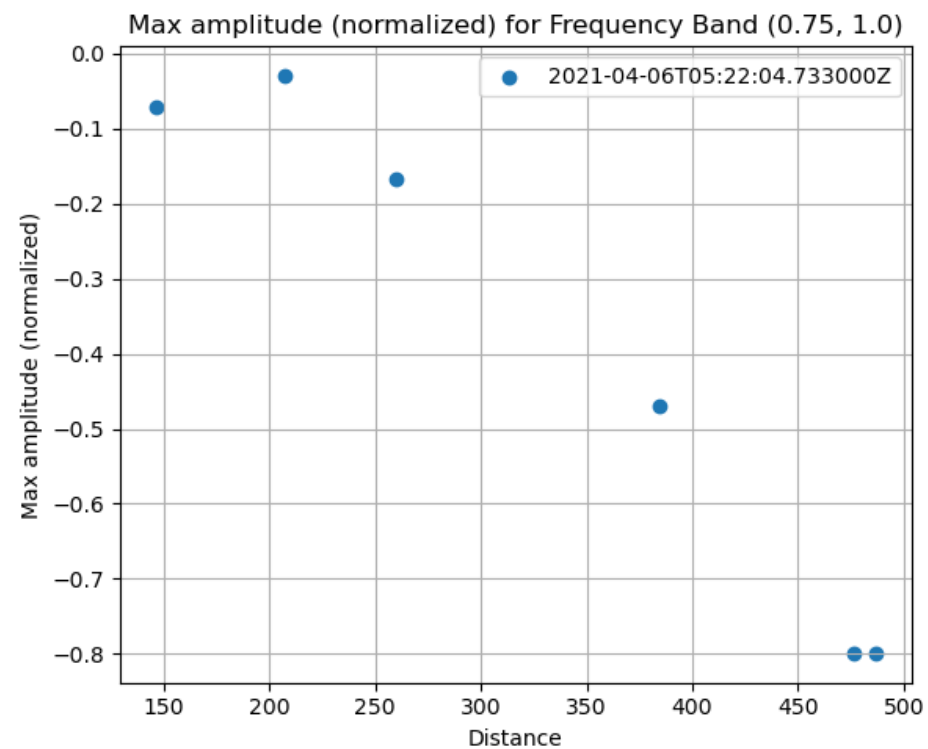
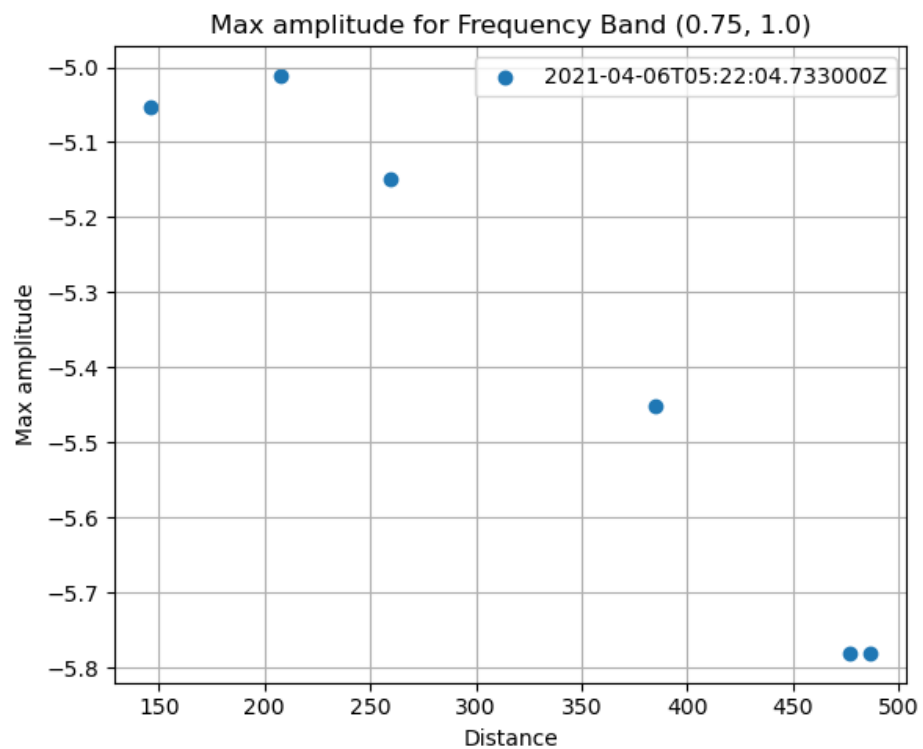
	frequency band	max amplitude (normalized)
32	(0.5, 0.75)	-0.675922167742025
33	(0.5, 0.75)	-0.373786714566497
34	(0.5, 0.75)	-0.204832218942882
35	(0.5, 0.75)	-0.276603675660835
36	(0.5, 0.75)	-0.196458314659639
37	(0.5, 0.75)	-0.132442596915543



	station name	distance	event \
38	R1D7C	476.632096339389363	2021-04-06T05:22:04.733000Z
39	R4EEE	384.481997940264648	2021-04-06T05:22:04.733000Z
40	RD4D8	259.645688629670076	2021-04-06T05:22:04.733000Z
41	RE001	486.752011853869647	2021-04-06T05:22:04.733000Z
42	REF37	146.042882404791158	2021-04-06T05:22:04.733000Z
43	REFAF	207.432266420409036	2021-04-06T05:22:04.733000Z

	location	magnitude	mag type	max amplitude \
38	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000001659023845
39	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000003535802947
40	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000007090457288
41	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000001654232240
42	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000008842147467
43	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000009749020497

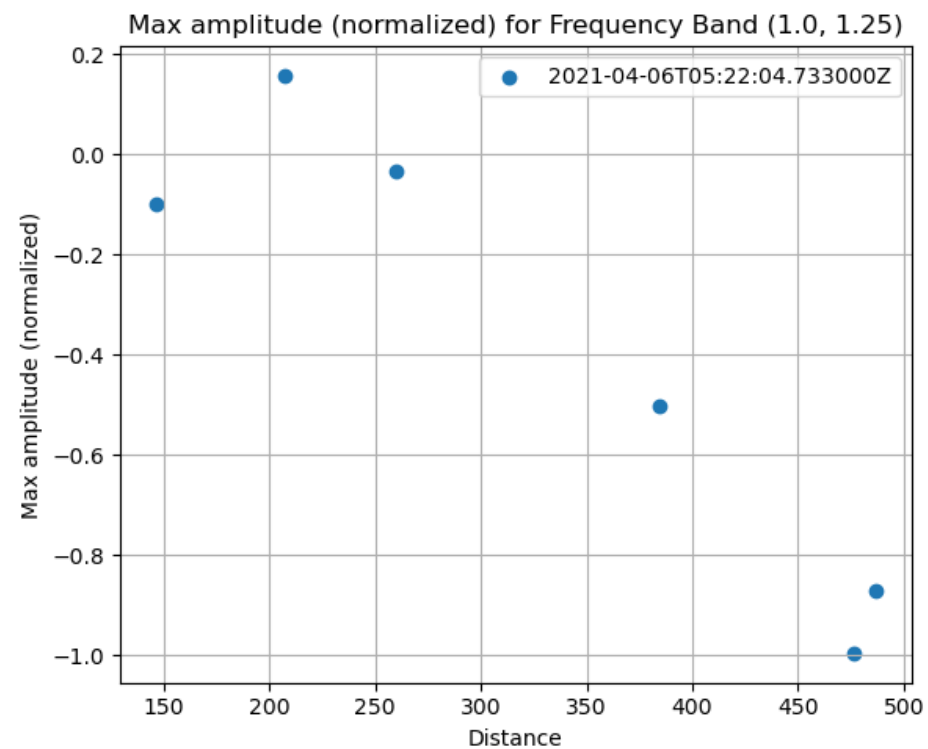
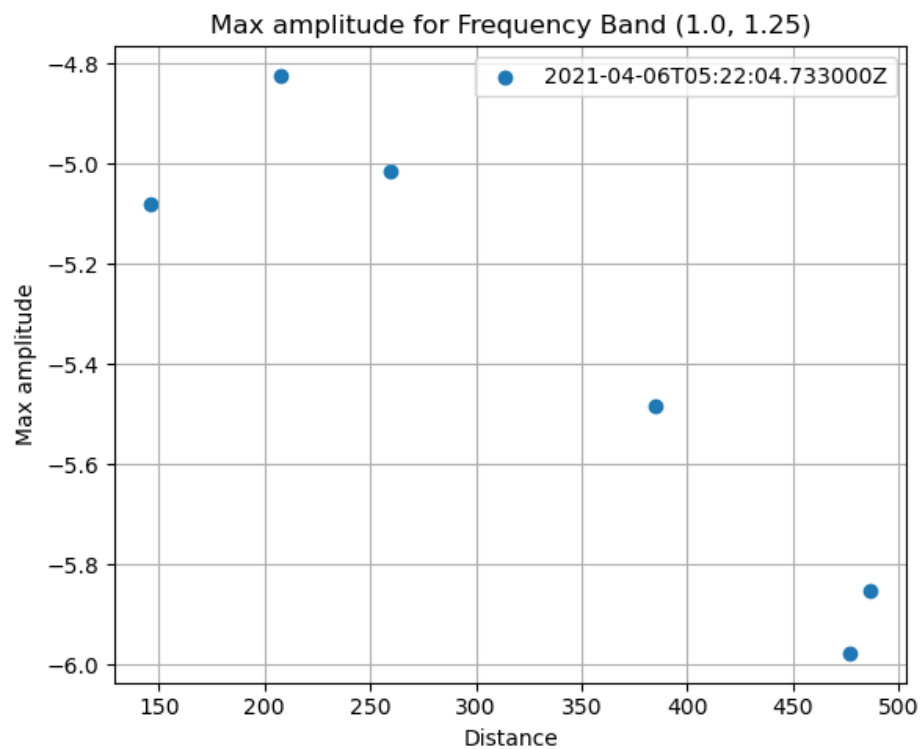
	frequency band	max amplitude (normalized)
38	(0.75, 1.0)	-0.798413424471421
39	(0.75, 1.0)	-0.469777999329800
40	(0.75, 1.0)	-0.167591807503889
41	(0.75, 1.0)	-0.799669572116048
42	(0.75, 1.0)	-0.071708299049010
43	(0.75, 1.0)	-0.029305069245380



	station name	distance	event \
44	R1D7C	476.632096339389363	2021-04-06T05:22:04.733000Z
45	R4EEE	384.481997940264648	2021-04-06T05:22:04.733000Z
46	RD4D8	259.645688629670076	2021-04-06T05:22:04.733000Z
47	RE001	486.752011853869647	2021-04-06T05:22:04.733000Z
48	REF37	146.042882404791158	2021-04-06T05:22:04.733000Z
49	REFAF	207.432266420409036	2021-04-06T05:22:04.733000Z

	location	magnitude	mag type	max amplitude \
44	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000001052163090
45	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000003290093259
46	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000009643819974
47	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000001404614867
48	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000008327380523
49	[18.4369, -73.5434, 10.0]	4.2000000000000000	mwr	0.000015012895647

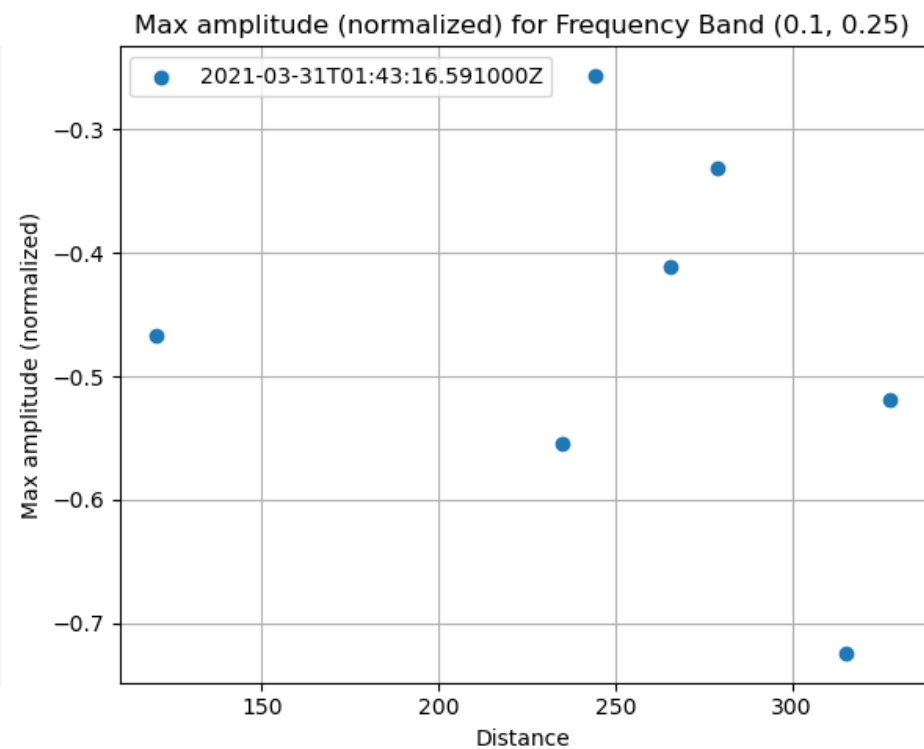
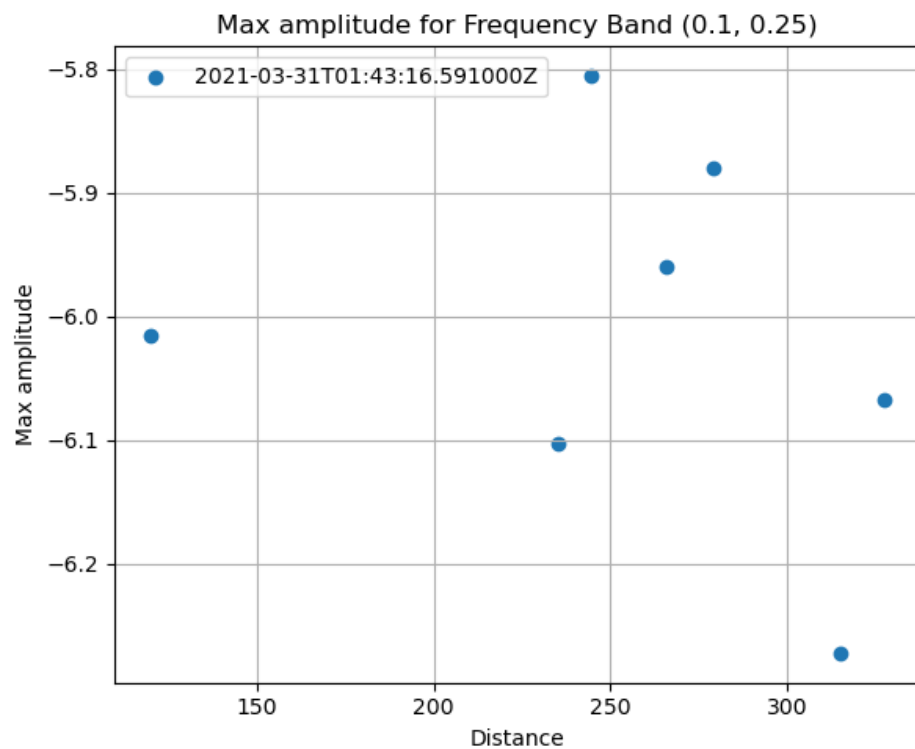
	frequency band	max amplitude (normalized)
44	(1.0, 1.25)	-0.996182990041251
45	(1.0, 1.25)	-0.501057844421292
46	(1.0, 1.25)	-0.034016958139385
47	(1.0, 1.25)	-0.870708792007757
48	(1.0, 1.25)	-0.097757642352926
49	(1.0, 1.25)	0.158198413147027



	station name	distance	event \
50	R2974	235.037978134149853	2021-03-31T01:43:16.591000Z
51	R2BF8	315.247296391148495	2021-03-31T01:43:16.591000Z
52	R4DB9	265.699656405245946	2021-03-31T01:43:16.591000Z
53	R4EEE	120.069760031071681	2021-03-31T01:43:16.591000Z
54	RD17E	244.500968312444257	2021-03-31T01:43:16.591000Z
55	REFAF	279.036614782990512	2021-03-31T01:43:16.591000Z
56	S4051	327.518124379792880	2021-03-31T01:43:16.591000Z

	location	magnitude	mag type	max amplitude \
50	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000788318496
51	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000533478853
52	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001095937045
53	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000965206830
54	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001567265658
55	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001320566426
56	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000855414317

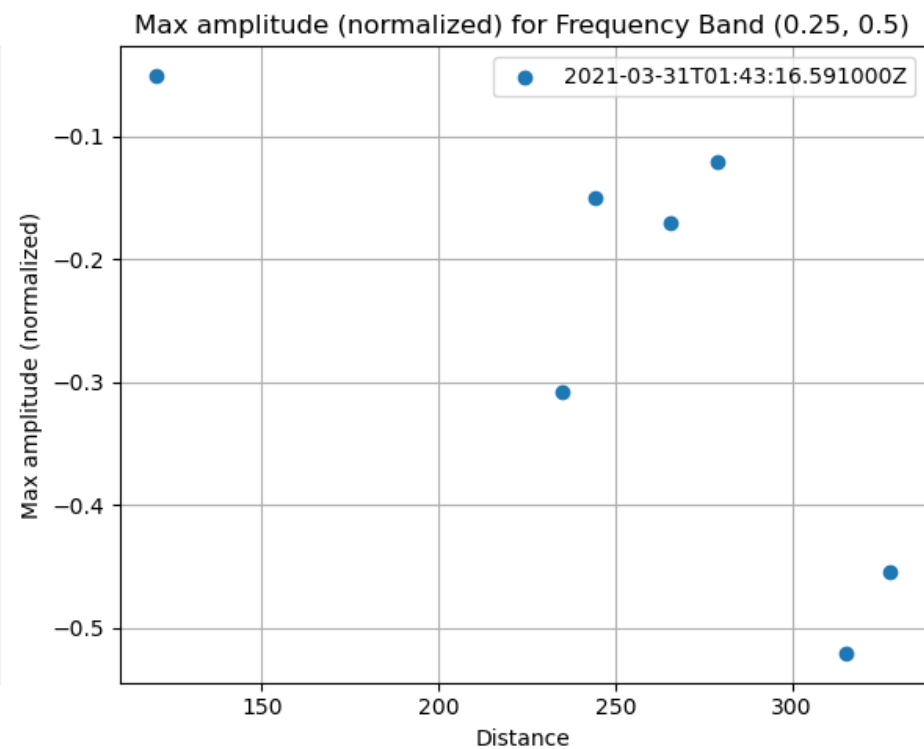
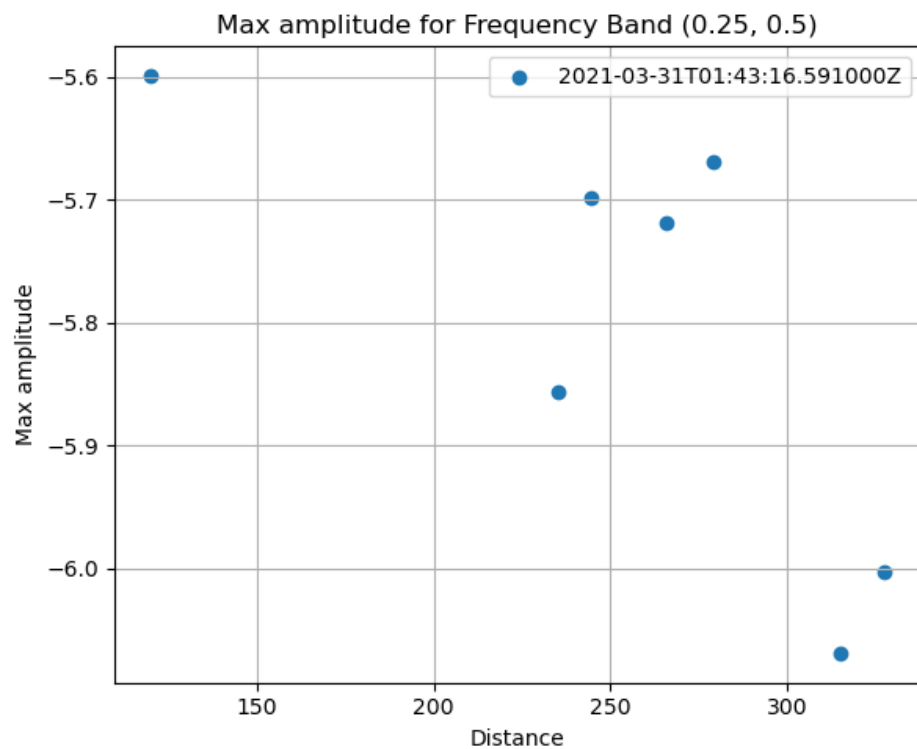
	frequency band	max amplitude (normalized)
50	(0.1, 0.25)	-0.554896402560845
51	(0.1, 0.25)	-0.724480909864163
52	(0.1, 0.25)	-0.411812511550092
53	(0.1, 0.25)	-0.466977732396860
54	(0.1, 0.25)	-0.256455501507457
55	(0.1, 0.25)	-0.330837867247608
56	(0.1, 0.25)	-0.519421604355403



	station name	distance	event \
57	R2974	235.037978134149853	2021-03-31T01:43:16.591000Z
58	R2BF8	315.247296391148495	2021-03-31T01:43:16.591000Z
59	R4DB9	265.699656405245946	2021-03-31T01:43:16.591000Z
60	R4EEE	120.069760031071681	2021-03-31T01:43:16.591000Z
61	RD17E	244.500968312444257	2021-03-31T01:43:16.591000Z
62	REFAF	279.036614782990512	2021-03-31T01:43:16.591000Z
63	S4051	327.518124379792880	2021-03-31T01:43:16.591000Z

	location	magnitude	mag type	max amplitude \
57	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001392415633
58	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000852764357
59	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001911512605
60	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000002518043260
61	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000002002665709
62	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000002141240504
63	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000995334356

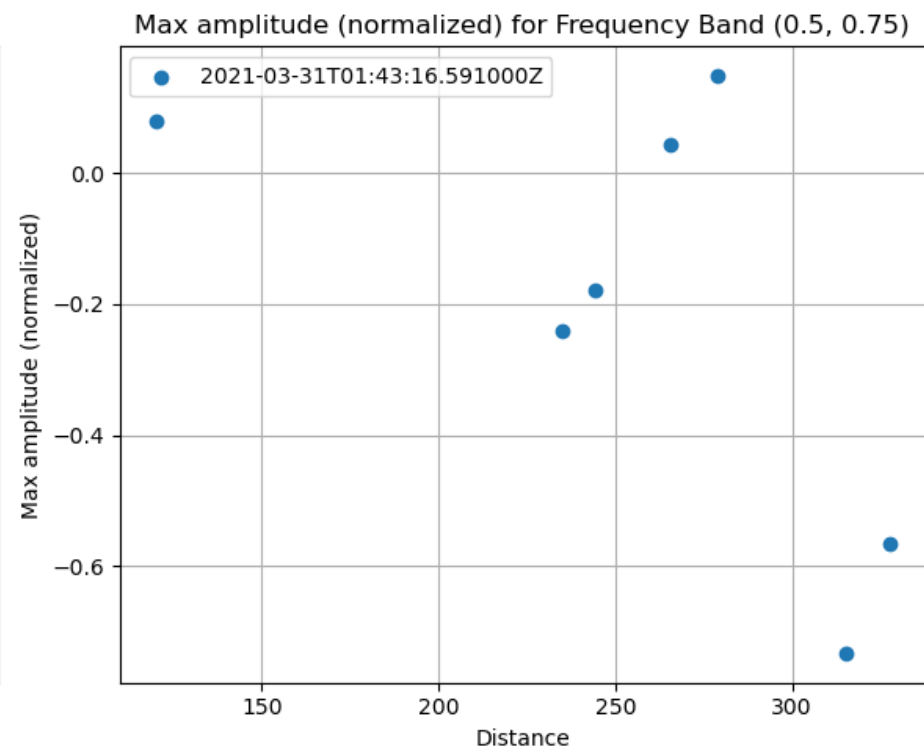
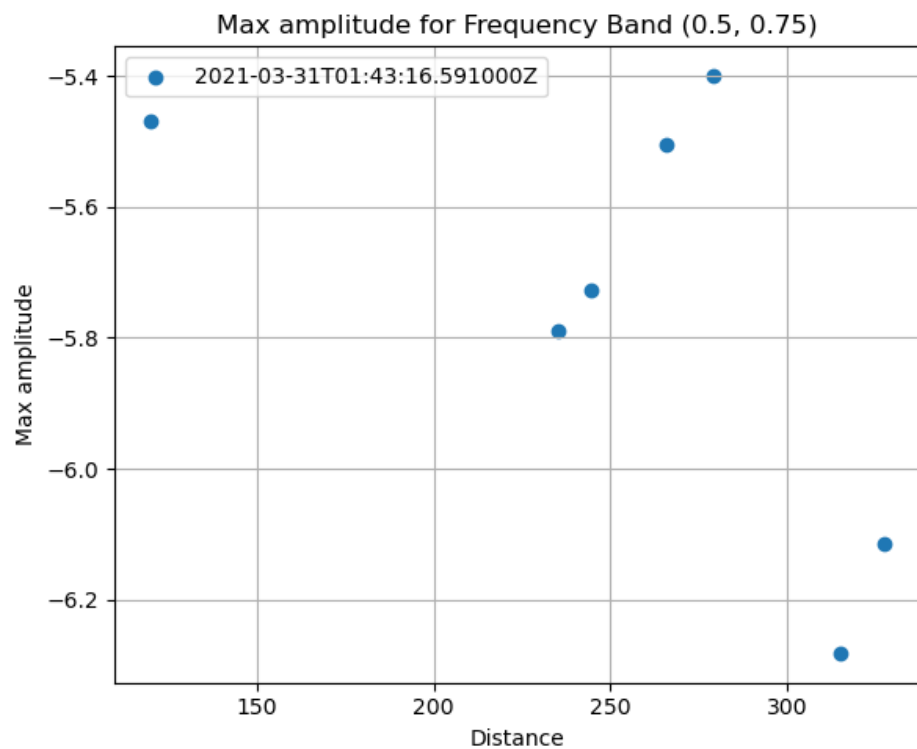
	frequency band	max amplitude (normalized)
57	(0.25, 0.5)	-0.307829228489035
58	(0.25, 0.5)	-0.520769079068742
59	(0.25, 0.5)	-0.170220952828689
60	(0.25, 0.5)	-0.050534931986834
61	(0.25, 0.5)	-0.149989657464918
62	(0.25, 0.5)	-0.120932668995366
63	(0.25, 0.5)	-0.453629124004756



	station name	distance	event \
64	R2974	235.037978134149853	2021-03-31T01:43:16.591000Z
65	R2BF8	315.247296391148495	2021-03-31T01:43:16.591000Z
66	R4DB9	265.699656405245946	2021-03-31T01:43:16.591000Z
67	R4EEE	120.069760031071681	2021-03-31T01:43:16.591000Z
68	RD17E	244.500968312444257	2021-03-31T01:43:16.591000Z
69	REFAF	279.036614782990512	2021-03-31T01:43:16.591000Z
70	S4051	327.518124379792880	2021-03-31T01:43:16.591000Z

	location	magnitude	mag type	max amplitude \
64	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001620183518
65	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000521910677
66	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000003133770965
67	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000003395224558
68	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001869011375
69	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000003987914700
70	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000767280436

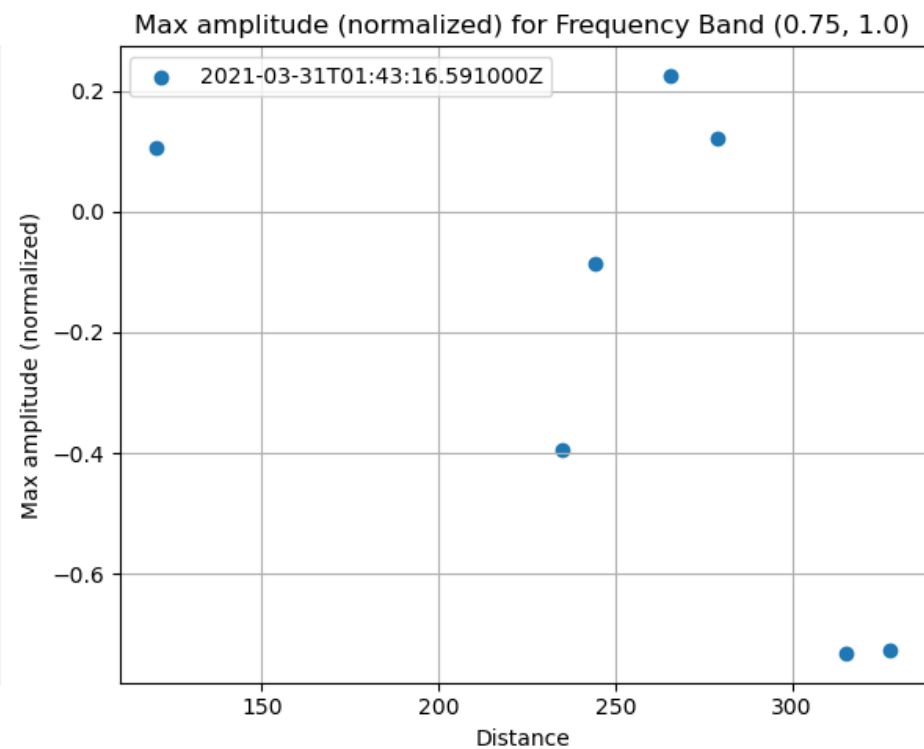
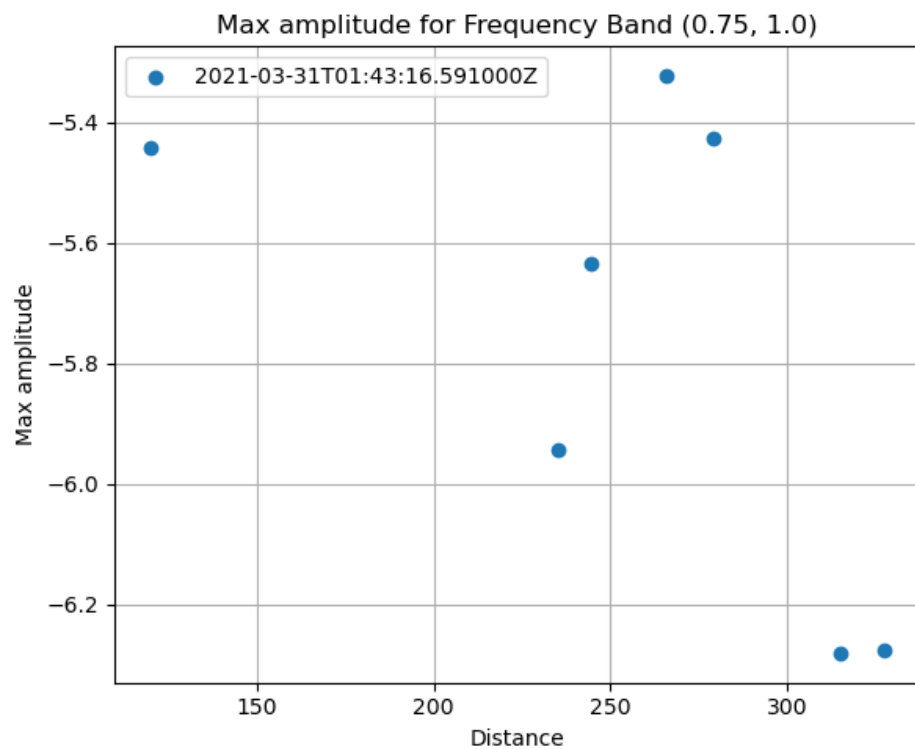
	frequency band	max amplitude (normalized)
64	(0.5, 0.75)	-0.242033909079309
65	(0.5, 0.75)	-0.734001937479628
66	(0.5, 0.75)	0.044469133418018
67	(0.5, 0.75)	0.079270384496847
68	(0.5, 0.75)	-0.179986174495138
69	(0.5, 0.75)	0.149147741369710
70	(0.5, 0.75)	-0.566643994348178



	station name	distance	event \
71	R2974	235.037978134149853	2021-03-31T01:43:16.591000Z
72	R2BF8	315.247296391148495	2021-03-31T01:43:16.591000Z
73	R4DB9	265.699656405245946	2021-03-31T01:43:16.591000Z
74	R4EEE	120.069760031071681	2021-03-31T01:43:16.591000Z
75	RD17E	244.500968312444257	2021-03-31T01:43:16.591000Z
76	REFAF	279.036614782990512	2021-03-31T01:43:16.591000Z
77	S4051	327.518124379792880	2021-03-31T01:43:16.591000Z

	location	magnitude	mag type	max amplitude \
71	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001136716157
72	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000523471974
73	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000004758511291
74	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000003614577447
75	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000002322522939
76	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000003741288604
77	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000531997801

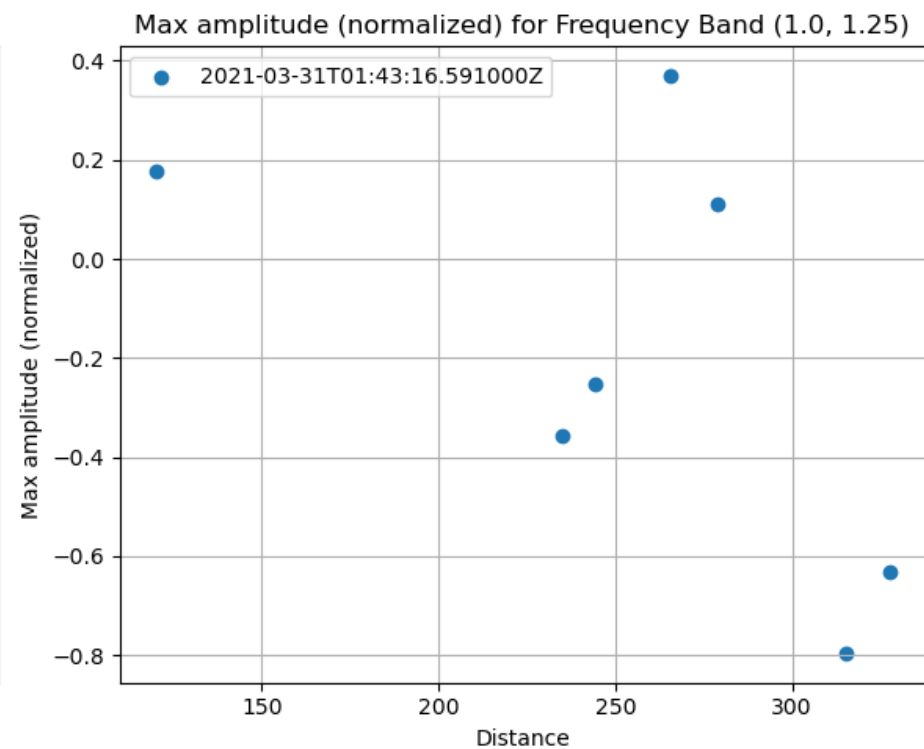
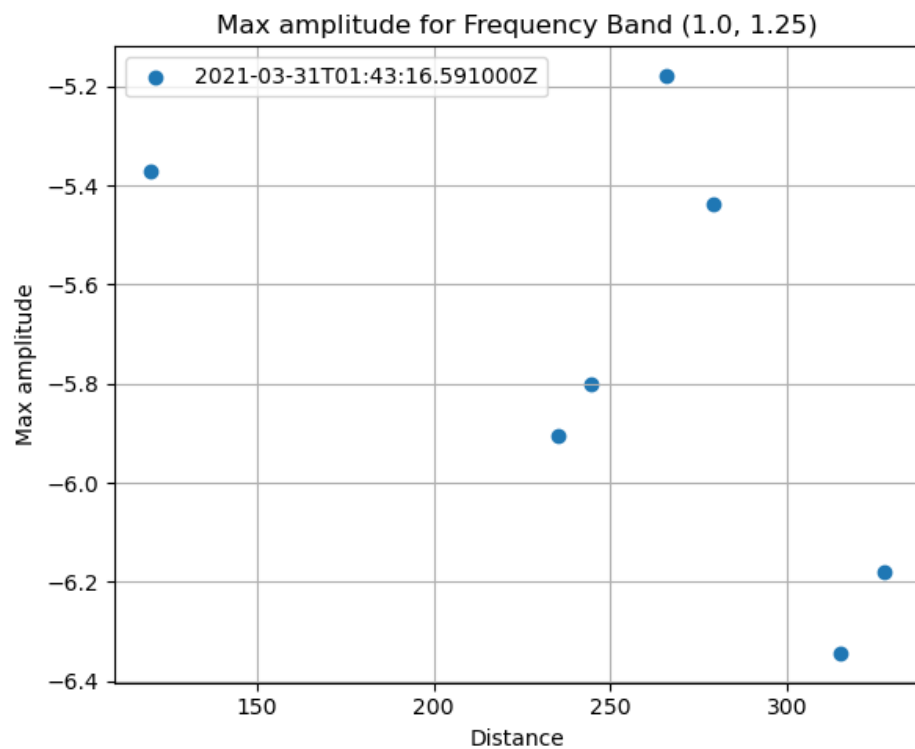
	frequency band	max amplitude (normalized)
71	(0.75, 1.0)	-0.395946085967577
72	(0.75, 1.0)	-0.732704683923029
73	(0.75, 1.0)	0.225872985137027
74	(0.75, 1.0)	0.106459415522317
75	(0.75, 1.0)	-0.085638106819445
76	(0.75, 1.0)	0.121423092107108
77	(0.75, 1.0)	-0.725688281441461



	station name	distance	event \
78	R2974	235.037978134149853	2021-03-31T01:43:16.591000Z
79	R2BF8	315.247296391148495	2021-03-31T01:43:16.591000Z
80	R4DB9	265.699656405245946	2021-03-31T01:43:16.591000Z
81	R4EEE	120.069760031071681	2021-03-31T01:43:16.591000Z
82	RD17E	244.500968312444257	2021-03-31T01:43:16.591000Z
83	REFAF	279.036614782990512	2021-03-31T01:43:16.591000Z
84	S4051	327.518124379792880	2021-03-31T01:43:16.591000Z

	location	magnitude	mag type	max amplitude \
78	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001247073662
79	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000451813650
80	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000006635004967
81	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000004241976391
82	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000001586169344
83	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000003646288772
84	[19.1729, -69.0456, 7.95]	4.1000000000000000	mb	0.000000660181132

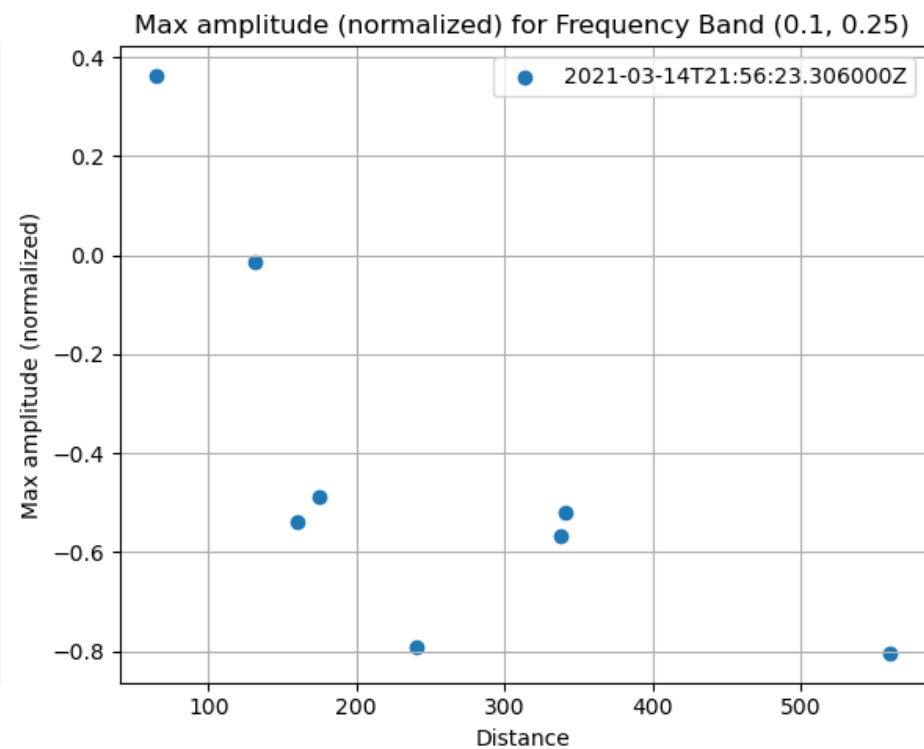
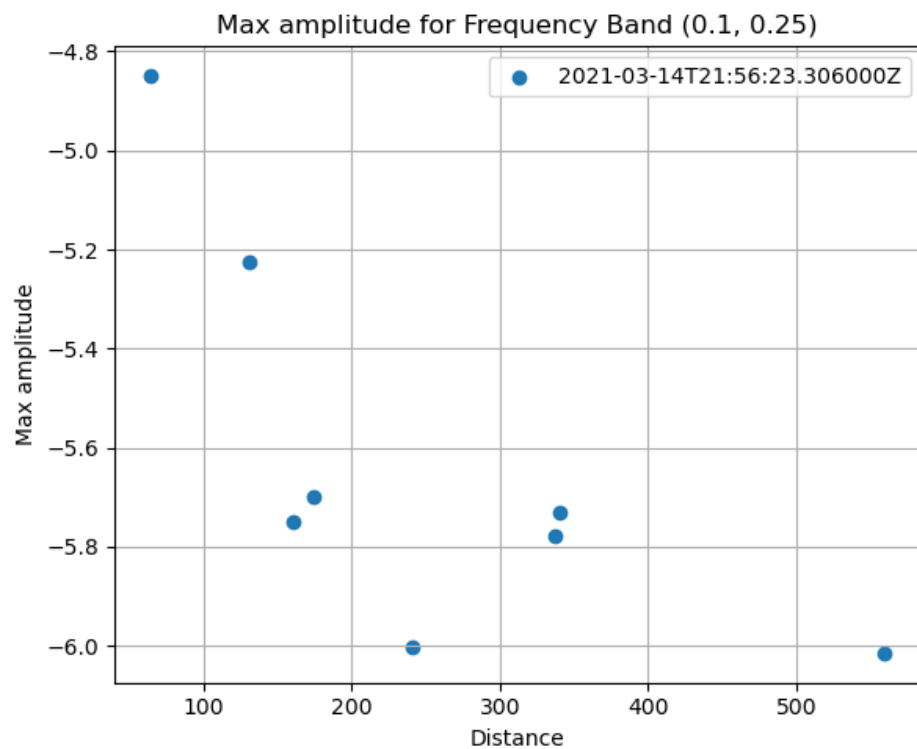
	frequency band	max amplitude (normalized)
78	(1.0, 1.25)	-0.355706012035452
79	(1.0, 1.25)	-0.796638771518008
80	(1.0, 1.25)	0.370243133299094
81	(1.0, 1.25)	0.175970128086629
82	(1.0, 1.25)	-0.251248566984522
83	(1.0, 1.25)	0.110252941188410
84	(1.0, 1.25)	-0.631935010831941



	station name	distance	event \
85	R1D7C	337.263946456217639	2021-03-14T21:56:23.306000Z
86	R4DB9	559.408477510914281	2021-03-14T21:56:23.306000Z
87	R4EEE	240.700722346566863	2021-03-14T21:56:23.306000Z
88	R50D4	160.492559947893398	2021-03-14T21:56:23.306000Z
89	RAA21	64.731939373601293	2021-03-14T21:56:23.306000Z
90	RE001	340.475694429640157	2021-03-14T21:56:23.306000Z
91	REF37	174.813711375686097	2021-03-14T21:56:23.306000Z
92	REFAF	131.050399035502522	2021-03-14T21:56:23.306000Z

	location	magnitude	mag type	max amplitude \
85	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001669197395
86	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000000963298009
87	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000000990968750
88	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001773449402
89	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000014174135391
90	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001861898729
91	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000002003580631
92	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000005959551799

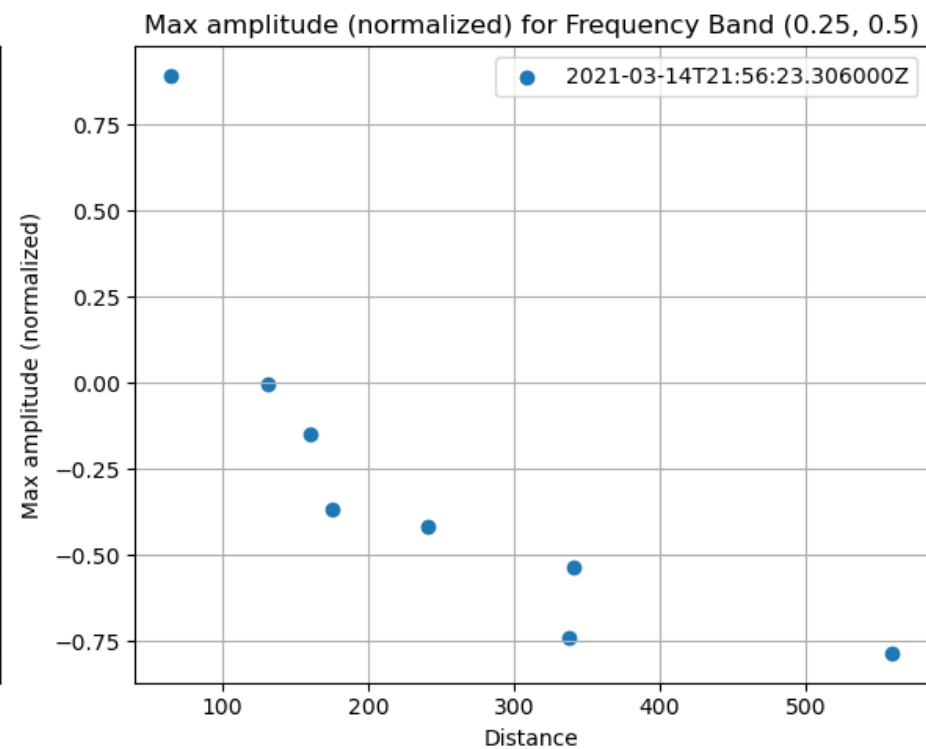
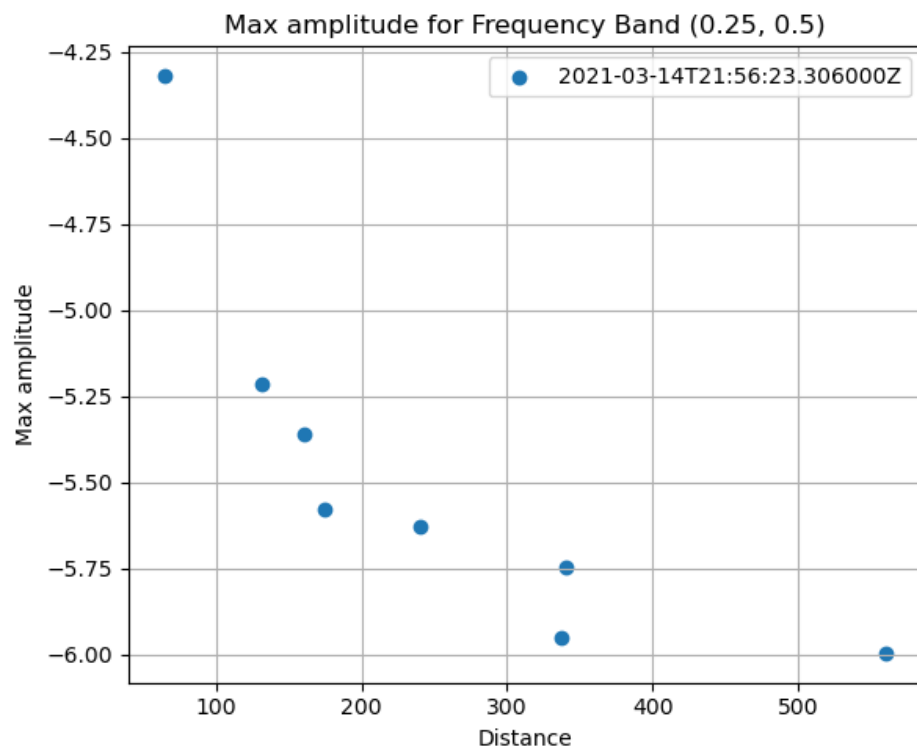
	frequency band	max amplitude (normalized)
85	(0.1, 0.25)	-0.566250305628420
86	(0.1, 0.25)	-0.804997341193190
87	(0.1, 0.25)	-0.792698044705353
88	(0.1, 0.25)	-0.539939201710290
89	(0.1, 0.25)	0.362738572903186
90	(0.1, 0.25)	-0.518801948518623
91	(0.1, 0.25)	-0.486951179182095
92	(0.1, 0.25)	-0.013544405032921



	station name	distance	event \
93	R1D7C	337.263946456217639	2021-03-14T21:56:23.306000Z
94	R4DB9	559.408477510914281	2021-03-14T21:56:23.306000Z
95	R4EEE	240.700722346566863	2021-03-14T21:56:23.306000Z
96	R50D4	160.492559947893398	2021-03-14T21:56:23.306000Z
97	RAA21	64.731939373601293	2021-03-14T21:56:23.306000Z
98	RE001	340.475694429640157	2021-03-14T21:56:23.306000Z
99	REF37	174.813711375686097	2021-03-14T21:56:23.306000Z
100	REFAF	131.050399035502522	2021-03-14T21:56:23.306000Z

	location	magnitude	mag type	max amplitude \
93	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001119924665
94	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001006558836
95	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000002360175253
96	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000004364007169
97	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000048141730983
98	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001788603801
99	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000002641091849
100	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000006093222050

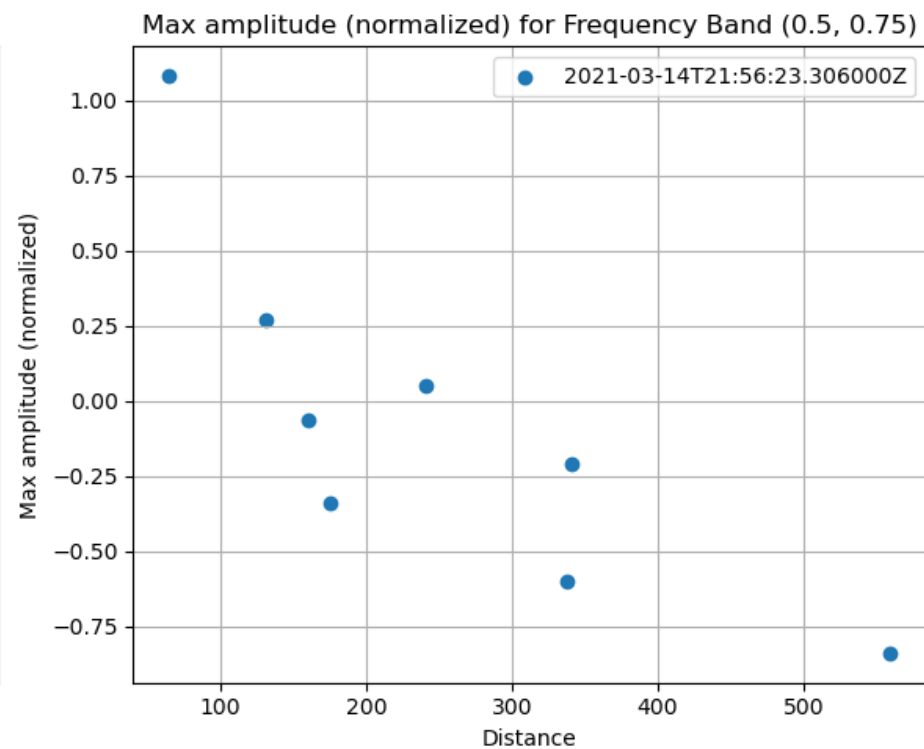
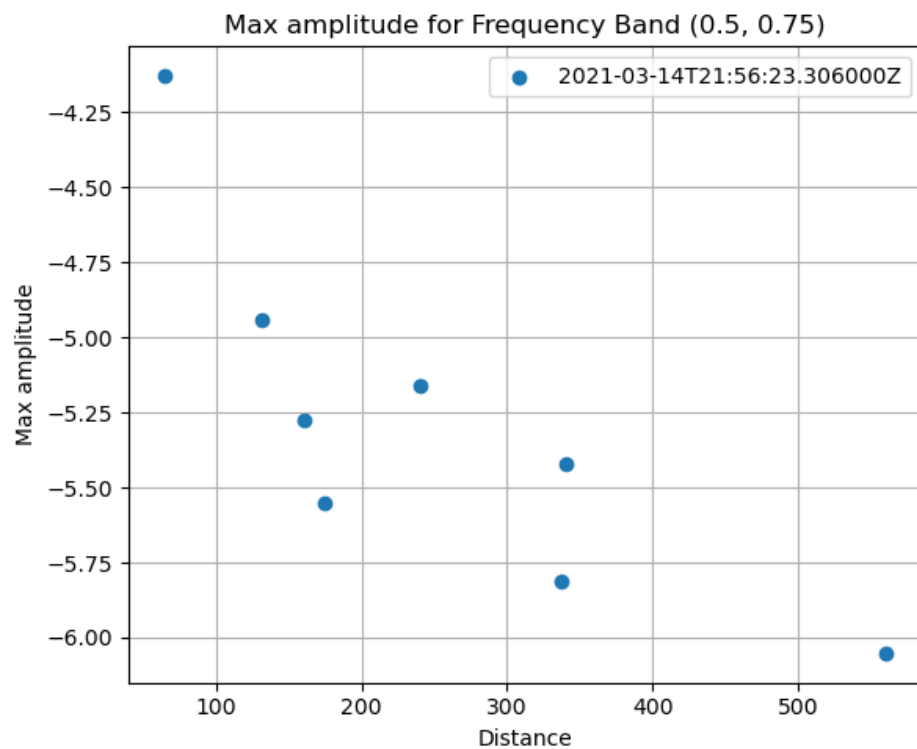
	frequency band	max amplitude (normalized)
93	(0.25, 0.5)	-0.739569194480532
94	(0.25, 0.5)	-0.785918838152607
95	(0.25, 0.5)	-0.415813751486795
96	(0.25, 0.5)	-0.148872548584642
97	(0.25, 0.5)	0.893763697792492
98	(0.25, 0.5)	-0.536243854468006
99	(0.25, 0.5)	-0.366974499015517
100	(0.25, 0.5)	-0.003910998887664



	station name	distance	event \
101	R1D7C	337.263946456217639	2021-03-14T21:56:23.306000Z
102	R4DB9	559.408477510914281	2021-03-14T21:56:23.306000Z
103	R4EEE	240.700722346566863	2021-03-14T21:56:23.306000Z
104	R50D4	160.492559947893398	2021-03-14T21:56:23.306000Z
105	RAA21	64.731939373601293	2021-03-14T21:56:23.306000Z
106	RE001	340.475694429640157	2021-03-14T21:56:23.306000Z
107	REF37	174.813711375686097	2021-03-14T21:56:23.306000Z
108	REFAF	131.050399035502522	2021-03-14T21:56:23.306000Z

	location	magnitude	mag type	max amplitude \
101	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001531119788
102	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000000884068949
103	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000006925609287
104	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000005298904946
105	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000074503914655
106	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000003799797242
107	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000002819794121
108	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000011393290315

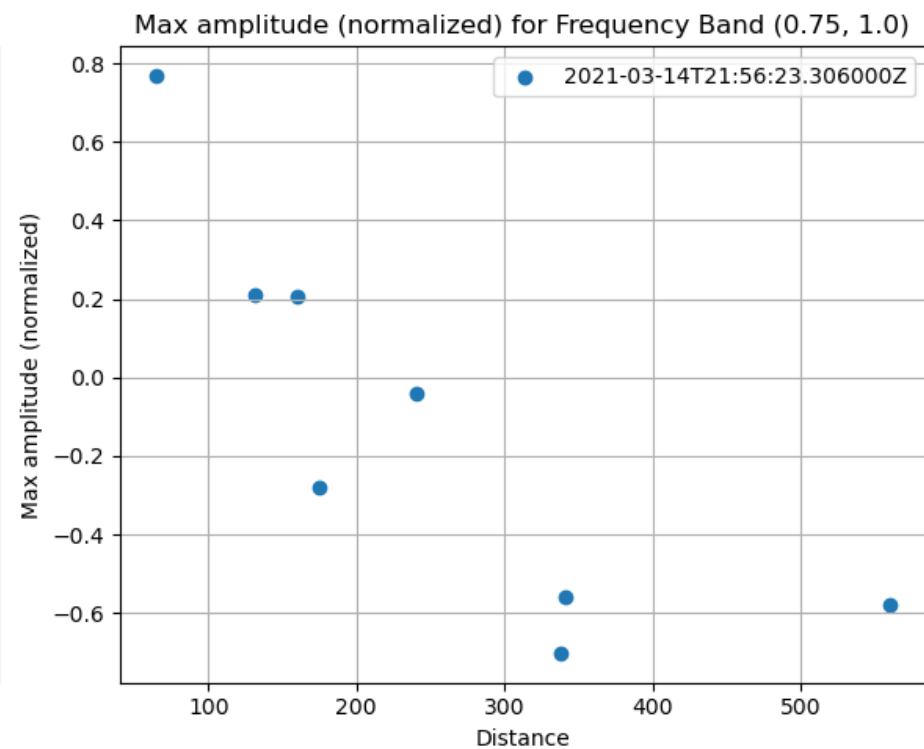
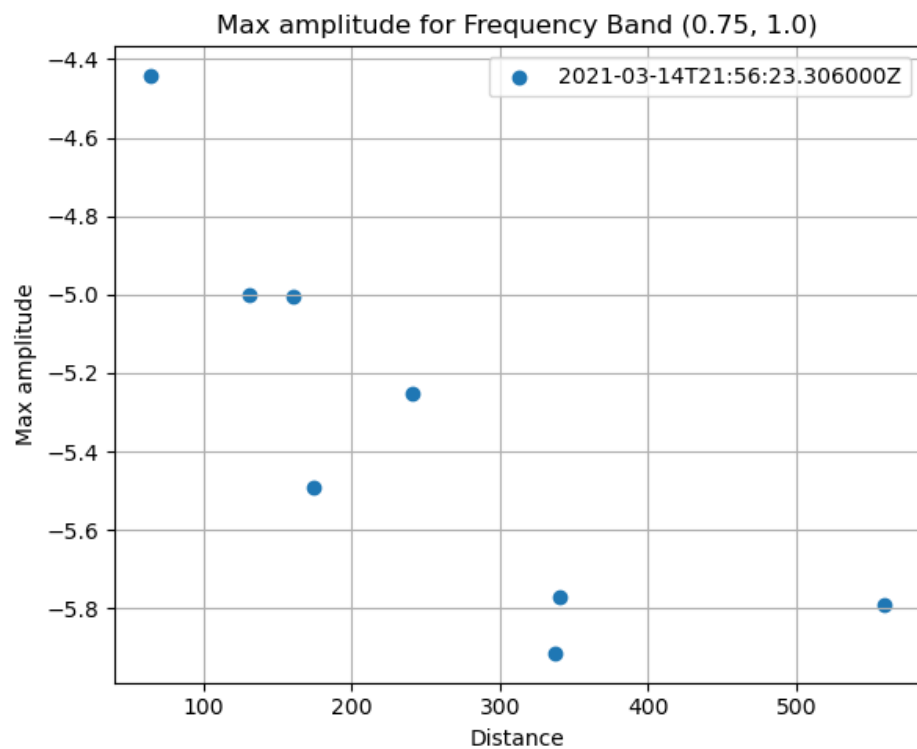
	frequency band	max amplitude (normalized)
101	(0.5, 0.75)	-0.603748834705347
102	(0.5, 0.75)	-0.842271866798791
103	(0.5, 0.75)	0.051699982950265
104	(0.5, 0.75)	-0.064571874877538
105	(0.5, 0.75)	1.083421088550666
106	(0.5, 0.75)	-0.208997580749513
107	(0.5, 0.75)	-0.338540603095209
108	(0.5, 0.75)	0.267891159959229



	station name	distance	event \
109	R1D7C	337.263946456217639	2021-03-14T21:56:23.306000Z
110	R4DB9	559.408477510914281	2021-03-14T21:56:23.306000Z
111	R4EEE	240.700722346566863	2021-03-14T21:56:23.306000Z
112	R50D4	160.492559947893398	2021-03-14T21:56:23.306000Z
113	RAA21	64.731939373601293	2021-03-14T21:56:23.306000Z
114	RE001	340.475694429640157	2021-03-14T21:56:23.306000Z
115	REF37	174.813711375686097	2021-03-14T21:56:23.306000Z
116	REFAF	131.050399035502522	2021-03-14T21:56:23.306000Z

	location	magnitude	mag type	max amplitude \
109	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001215580227
110	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001623766635
111	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000005601022411
112	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000009862974707
113	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000036176140572
114	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001690542978
115	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000003217093860
116	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000010021440311

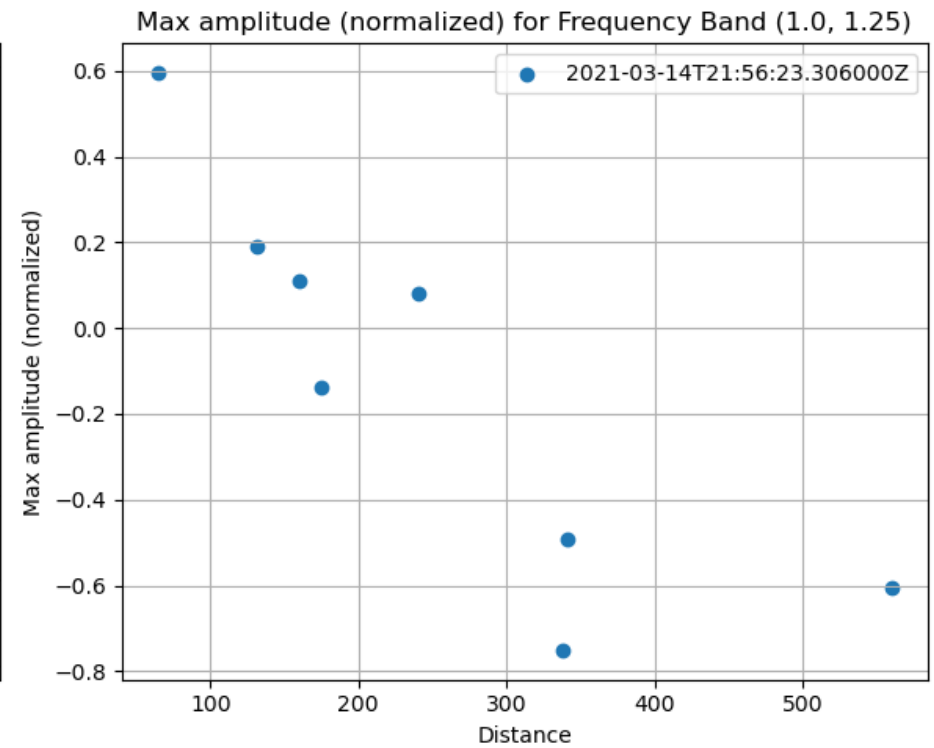
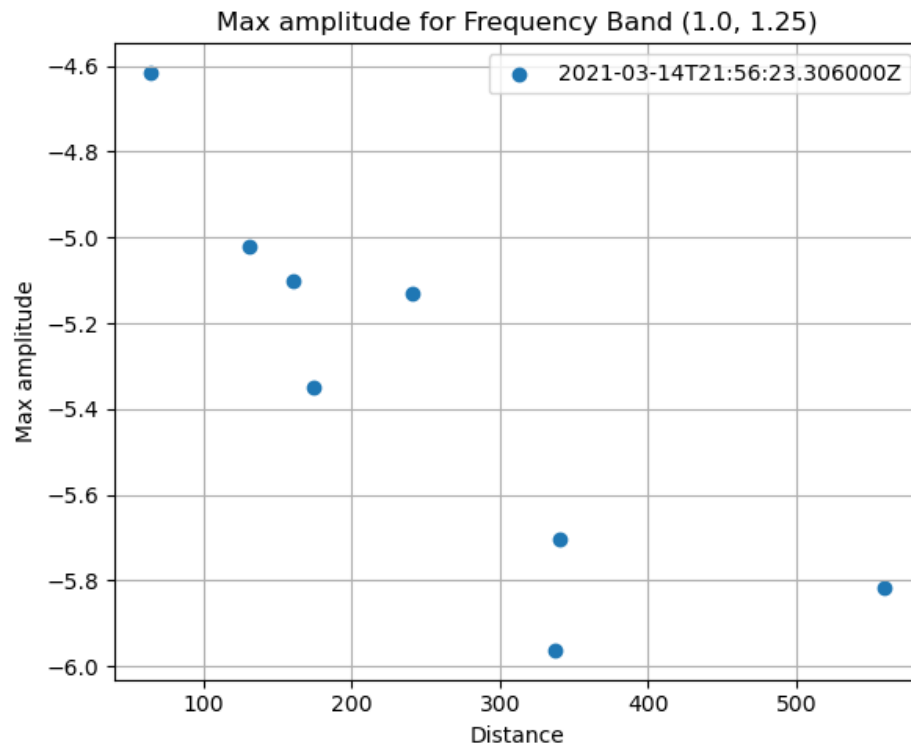
	frequency band	max amplitude (normalized)
109	(0.75, 1.0)	-0.703974376756825
110	(0.75, 1.0)	-0.578234390509421
111	(0.75, 1.0)	-0.040490693546121
112	(0.75, 1.0)	0.205249915499904
113	(0.75, 1.0)	0.769664228660892
114	(0.75, 1.0)	-0.560731787817509
115	(0.75, 1.0)	-0.281294272145158
116	(0.75, 1.0)	0.212172140194485



	station name	distance	event \
117	R1D7C	337.263946456217639	2021-03-14T21:56:23.306000Z
118	R4DB9	559.408477510914281	2021-03-14T21:56:23.306000Z
119	R4EEE	240.700722346566863	2021-03-14T21:56:23.306000Z
120	R50D4	160.492559947893398	2021-03-14T21:56:23.306000Z
121	RAA21	64.731939373601293	2021-03-14T21:56:23.306000Z
122	RE001	340.475694429640157	2021-03-14T21:56:23.306000Z
123	REF37	174.813711375686097	2021-03-14T21:56:23.306000Z
124	REFAF	131.050399035502522	2021-03-14T21:56:23.306000Z

	location	magnitude	mag type	max amplitude \
117	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001088117001
118	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001523199027
119	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000007397405596
120	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000007919780332
121	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000024260420123
122	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000001979554558
123	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000004486394868
124	[17.9685, -72.1205, 10.0]	4.3000000000000000	mb	0.000009504715834

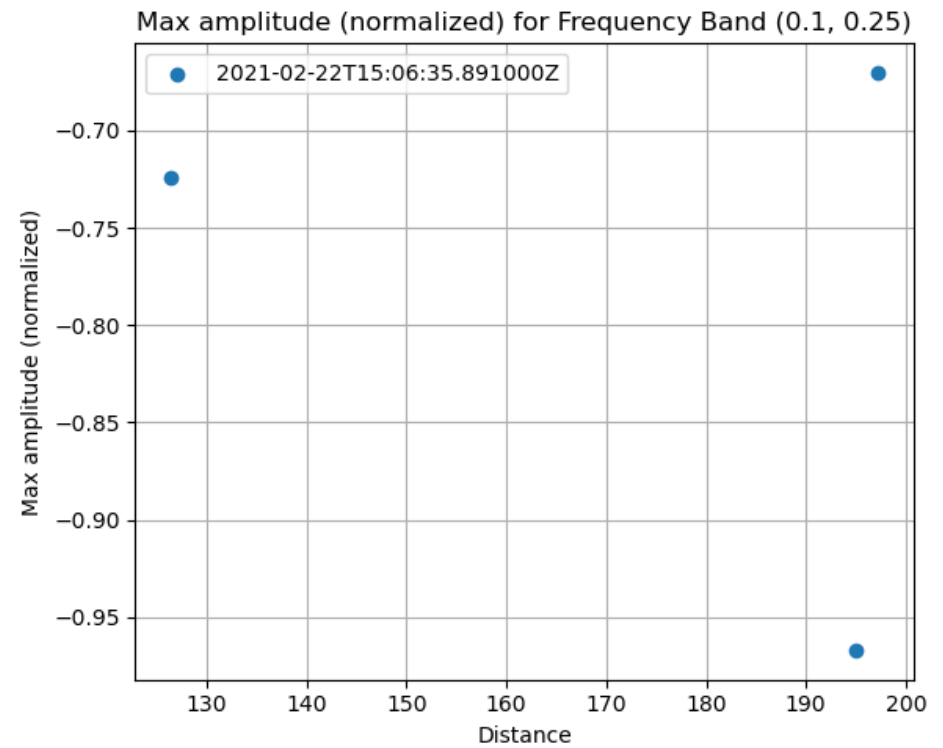
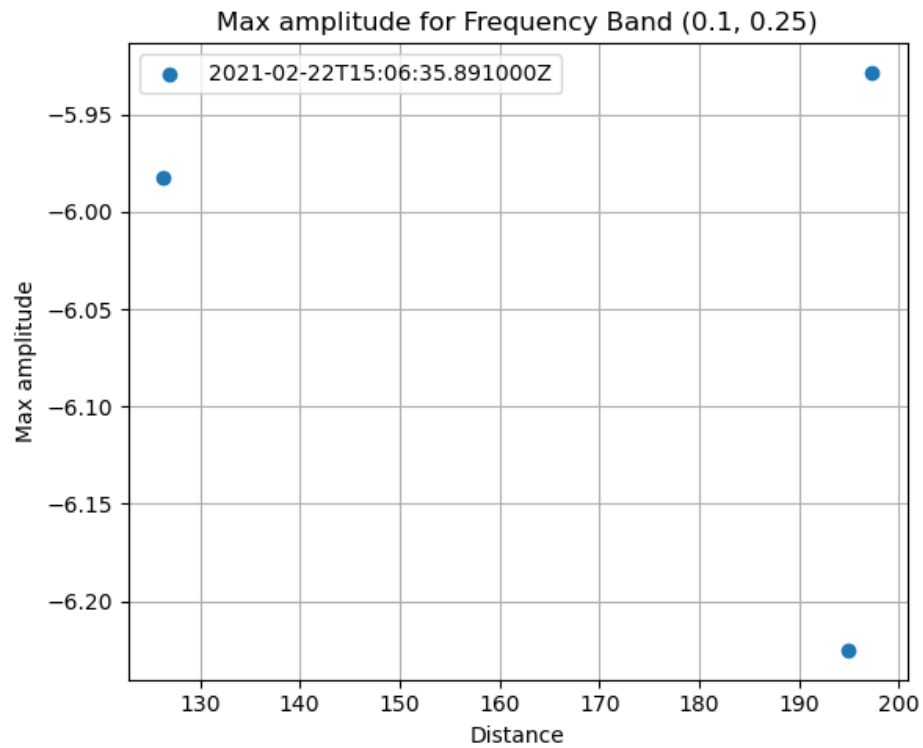
	frequency band	max amplitude (normalized)
117	(1.0, 1.25)	-0.752082408011646
118	(1.0, 1.25)	-0.606001350177762
119	(1.0, 1.25)	0.080321427578663
120	(1.0, 1.25)	0.109955131986232
121	(1.0, 1.25)	0.596140313464804
122	(1.0, 1.25)	-0.492190528194359
123	(1.0, 1.25)	-0.136860508757151
124	(1.0, 1.25)	0.189181133214984



	station name	distance	event \
125	R4EEE 194.958347273964051	2021-02-22T15:06:35.891000Z	
126	R595E 126.377157025600525	2021-02-22T15:06:35.891000Z	
127	RAA21 197.252064683432252	2021-02-22T15:06:35.891000Z	

	location	magnitude	mag type	max amplitude \
125	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000000595120801
126	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000001041889920
127	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000001179031174

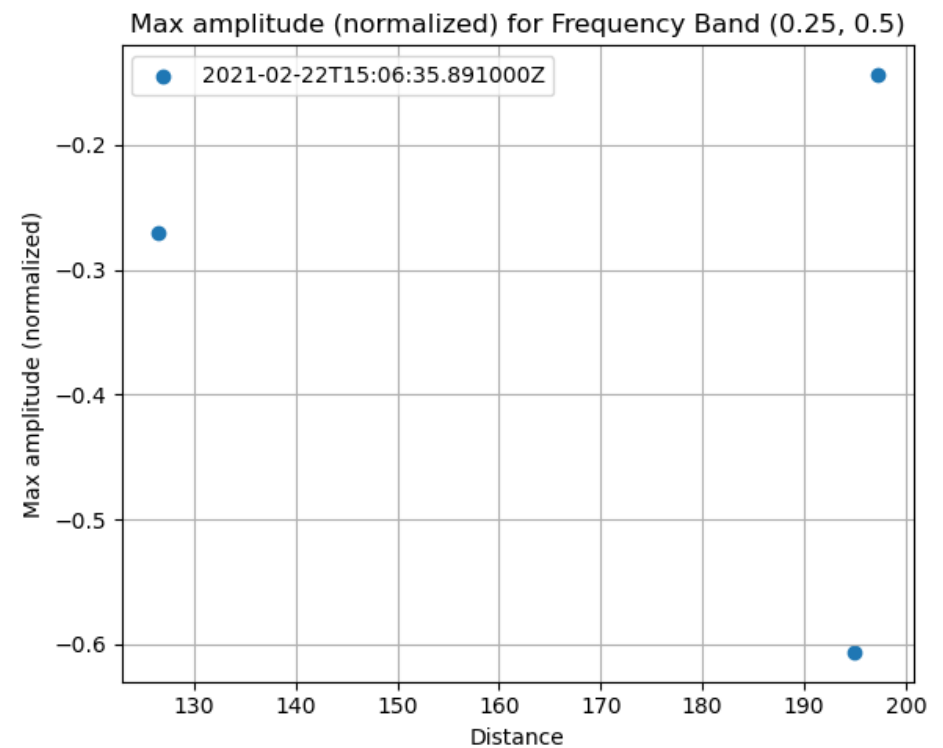
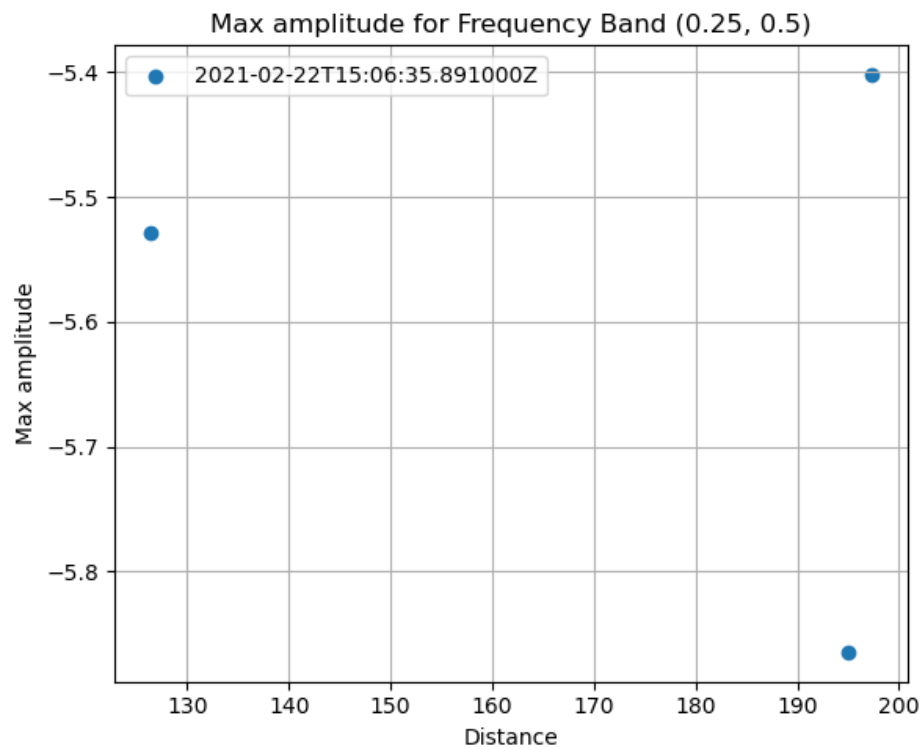
	frequency band	max amplitude (normalized)
125	(0.1, 0.25)	-0.967167211634706
126	(0.1, 0.25)	-0.723950505236001
127	(0.1, 0.25)	-0.670247053477831



	station name	distance	event \
128	R4EEE	194.958347273964051	2021-02-22T15:06:35.891000Z
129	R595E	126.377157025600525	2021-02-22T15:06:35.891000Z
130	RAA21	197.252064683432252	2021-02-22T15:06:35.891000Z

	location	magnitude	mag type	max amplitude \
128	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000001364856453
129	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000002963935338
130	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000003966025188

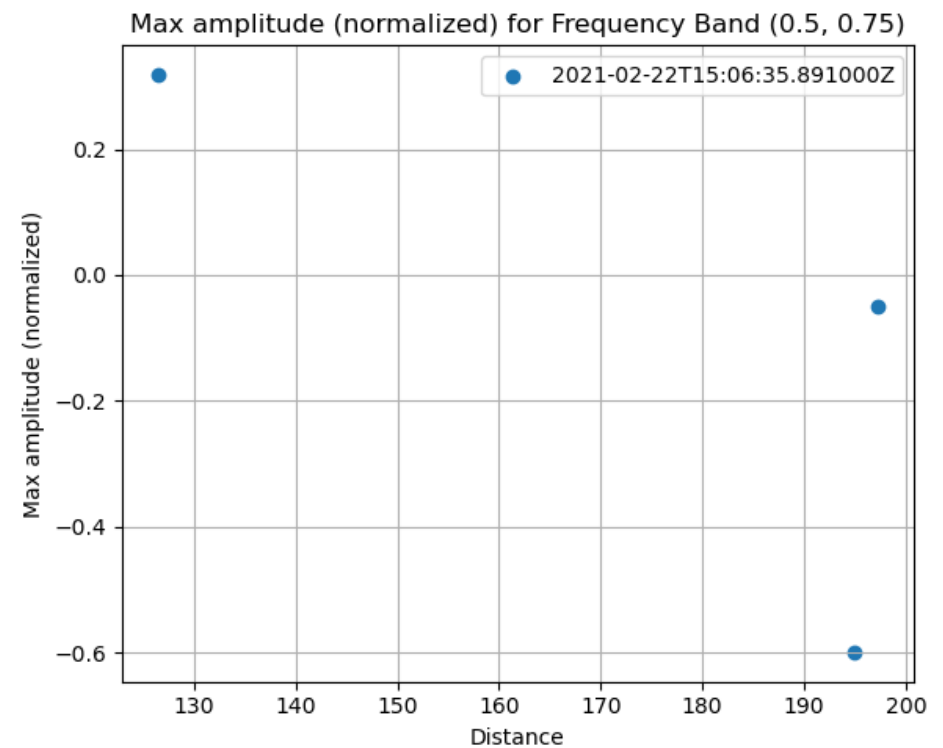
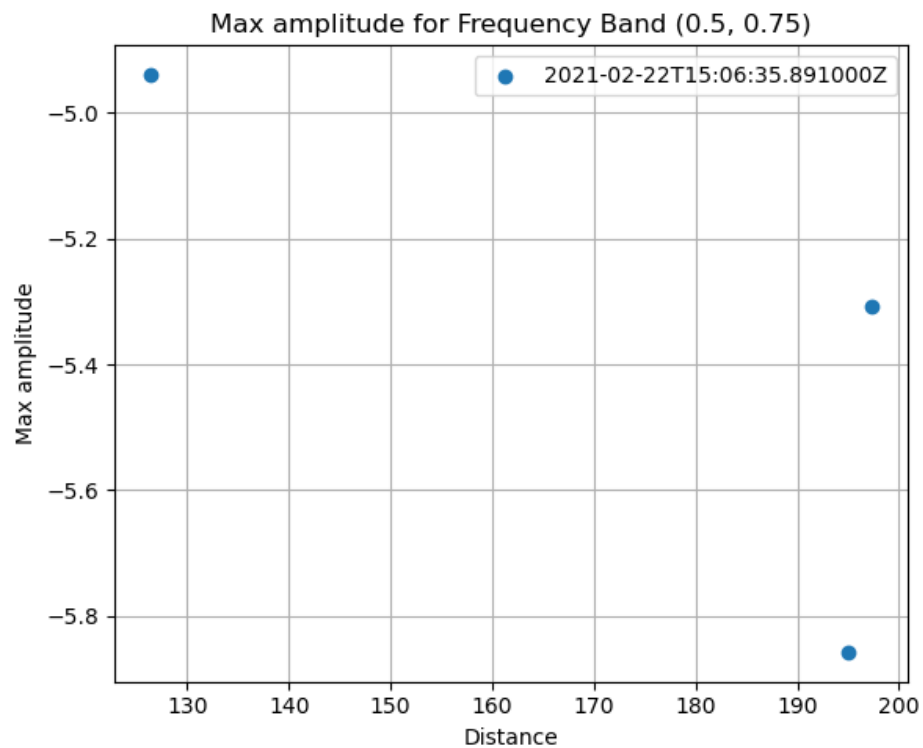
	frequency band	max amplitude (normalized)
128	(0.25, 0.5)	-0.606685364263477
129	(0.25, 0.5)	-0.269903616874618
130	(0.25, 0.5)	-0.143416873586881



	station name	distance	event \
131	R4EEE	194.958347273964051	2021-02-22T15:06:35.891000Z
132	R595E	126.377157025600525	2021-02-22T15:06:35.891000Z
133	RAA21	197.252064683432252	2021-02-22T15:06:35.891000Z

	location	magnitude	mag type	max amplitude \
131	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000001386848819
132	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000011492944315
133	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000004907577702

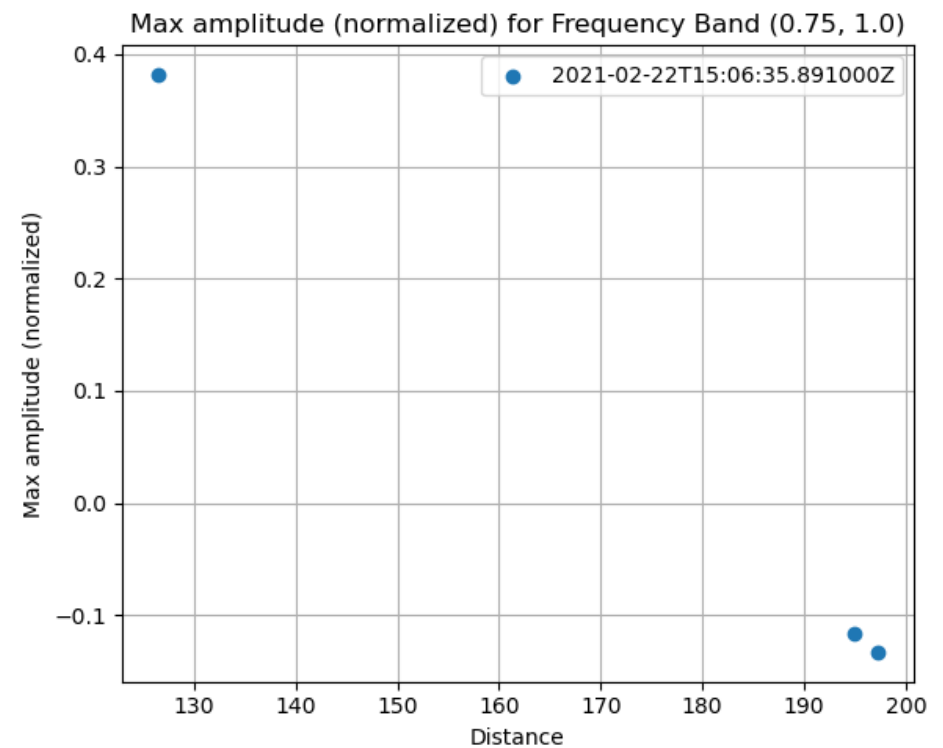
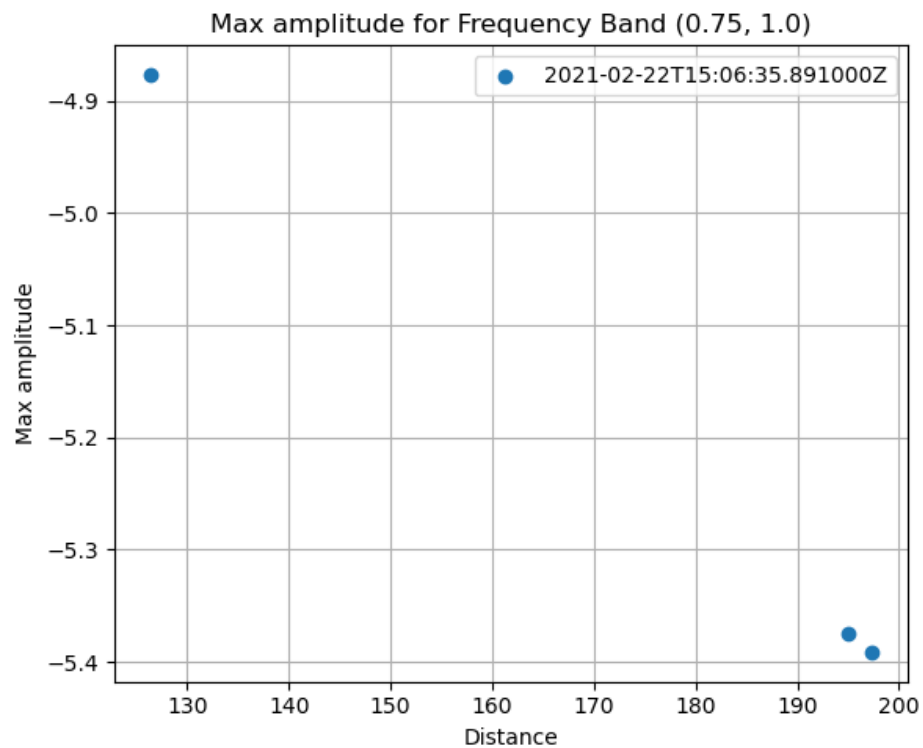
	frequency band	max amplitude (normalized)
131	(0.5, 0.75)	-0.599743220763360
132	(0.5, 0.75)	0.318658960863033
133	(0.5, 0.75)	-0.050905157064392



	station name	distance	event \
134	R4EEE	194.958347273964051	2021-02-22T15:06:35.891000Z
135	R595E	126.377157025600525	2021-02-22T15:06:35.891000Z
136	RAA21	197.252064683432252	2021-02-22T15:06:35.891000Z

	location	magnitude	mag type	max amplitude \
134	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000004225379219
135	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000013296498818
136	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000004056613453

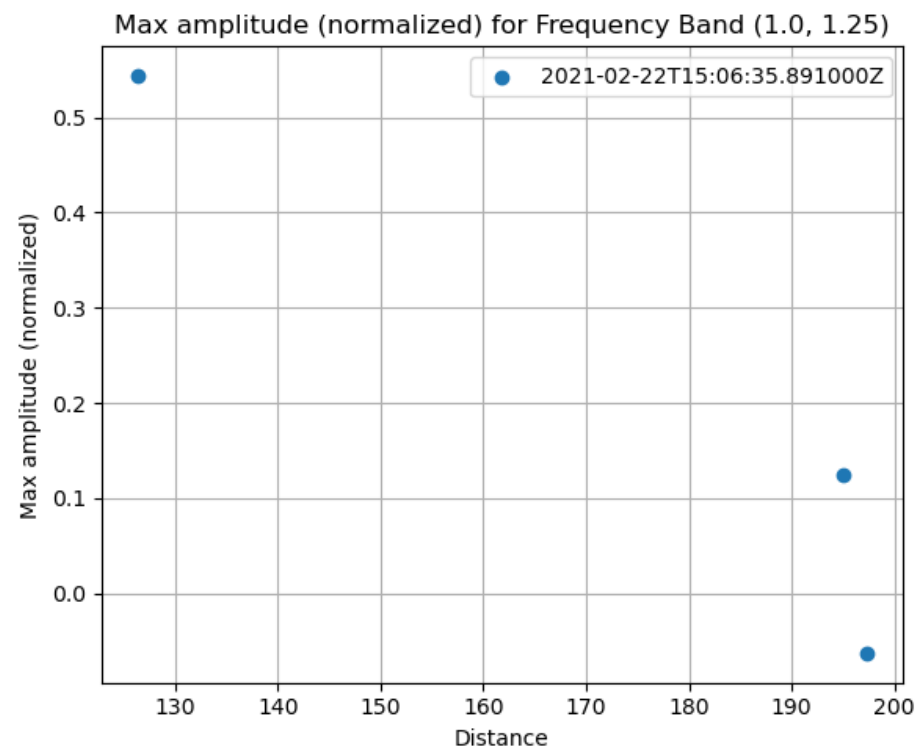
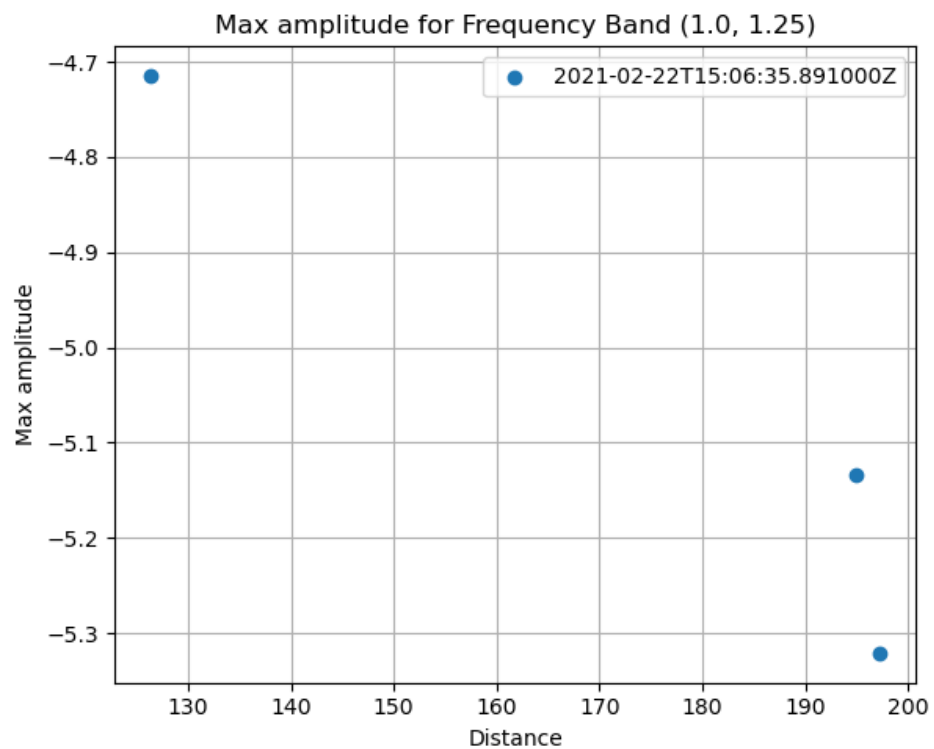
	frequency band	max amplitude (normalized)
134	(0.75, 1.0)	-0.115906649569011
135	(0.75, 1.0)	0.381964957642693
136	(0.75, 1.0)	-0.133608715111345



	station name	distance	event \
137	R4EEE	194.958347273964051	2021-02-22T15:06:35.891000Z
138	R595E	126.377157025600525	2021-02-22T15:06:35.891000Z
139	RAA21	197.252064683432252	2021-02-22T15:06:35.891000Z

	location	magnitude	mag type	max amplitude \
137	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000007341639405
138	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000019309020312
139	[19.8403, -71.0541, 10.0]	4.4000000000000000	mb	0.000004768766218

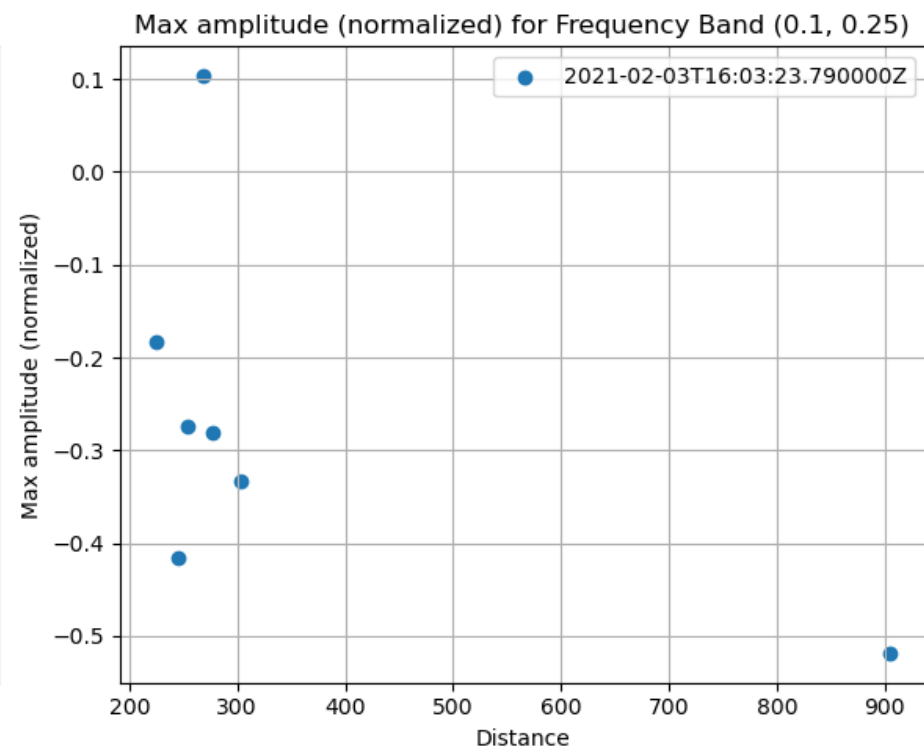
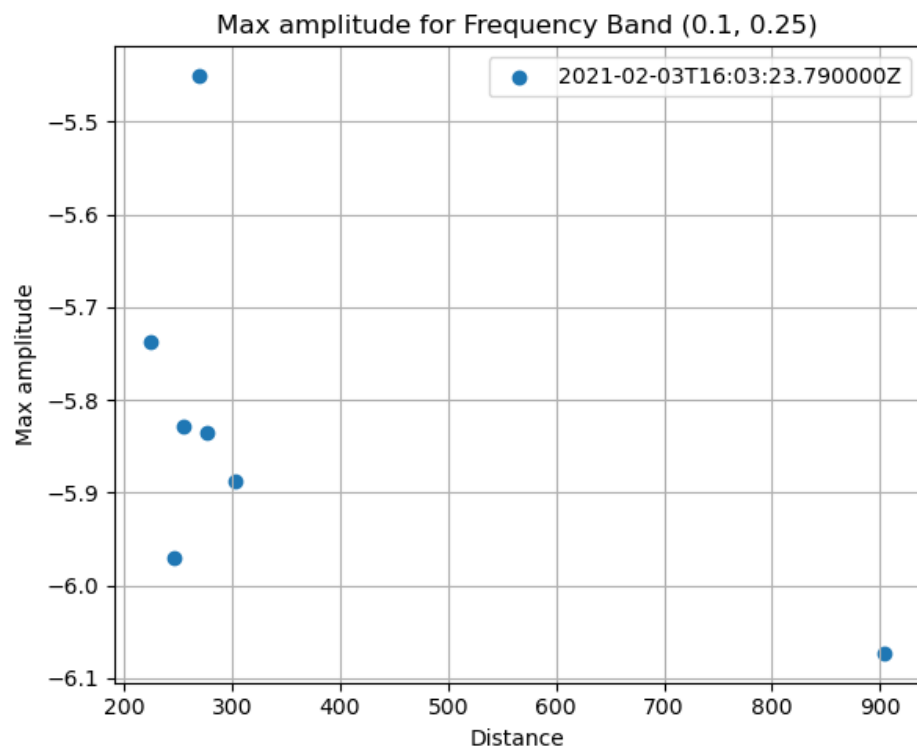
	frequency band	max amplitude (normalized)
137	(1.0, 1.25)	0.124020708056599
138	(1.0, 1.25)	0.543987897745617
139	(1.0, 1.25)	-0.063366309336120



	station name	distance	event \
140	R34A9	276.448964525551446	2021-02-03T16:03:23.790000Z
141	R3E0C	904.159956087788146	2021-02-03T16:03:23.790000Z
142	R4DB9	245.897258514659399	2021-02-03T16:03:23.790000Z
143	RCCD1	268.568770093039689	2021-02-03T16:03:23.790000Z
144	RD17E	224.707141477152106	2021-02-03T16:03:23.790000Z
145	RD4D8	254.353897726109722	2021-02-03T16:03:23.790000Z
146	RE1CC	302.945638417220835	2021-02-03T16:03:23.790000Z

	location	magnitude	mag type	max amplitude \
140	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001462277511
141	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000000844349855
142	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001070475482
143	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000003545184047
144	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001834055503
145	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001487021190
146	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001297438192

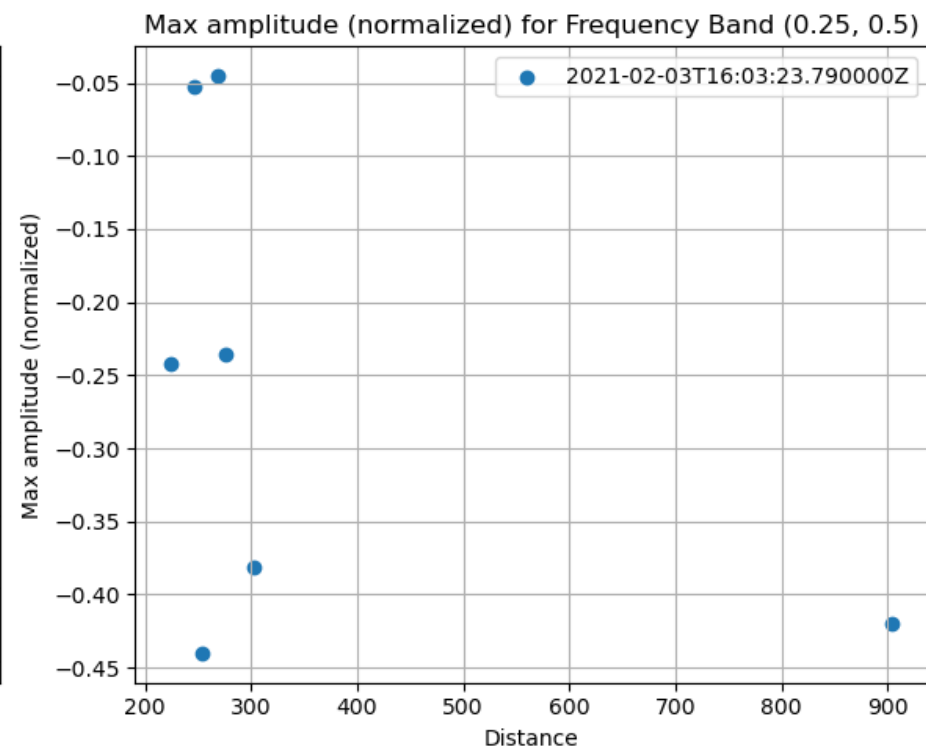
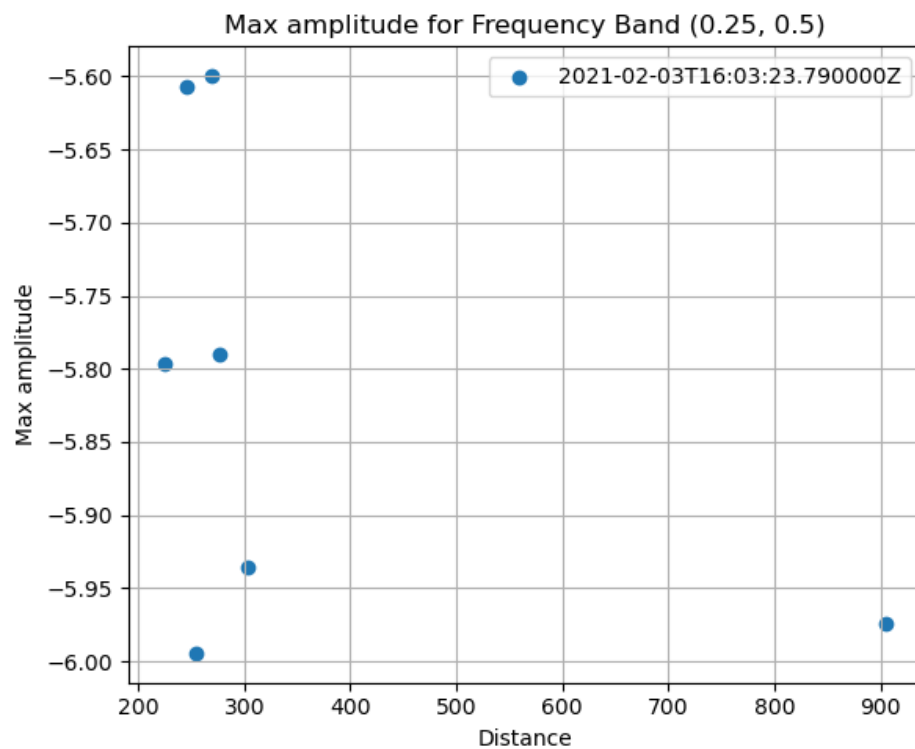
	frequency band	max amplitude (normalized)
140	(0.1, 0.25)	-0.280583350476042
141	(0.1, 0.25)	-0.519090717885361
142	(0.1, 0.25)	-0.416036426468438
143	(0.1, 0.25)	0.104025635119354
144	(0.1, 0.25)	-0.182200676926279
145	(0.1, 0.25)	-0.273295993891955
146	(0.1, 0.25)	-0.332526473209594



	station name	distance	event \
147	R34A9	276.448964525551446	2021-02-03T16:03:23.790000Z
148	R3E0C	904.159956087788146	2021-02-03T16:03:23.790000Z
149	R4DB9	245.897258514659399	2021-02-03T16:03:23.790000Z
150	RCCD1	268.568770093039689	2021-02-03T16:03:23.790000Z
151	RD17E	224.707141477152106	2021-02-03T16:03:23.790000Z
152	RD4D8	254.353897726109722	2021-02-03T16:03:23.790000Z
153	RE1CC	302.945638417220835	2021-02-03T16:03:23.790000Z

	location	magnitude	mag type	max amplitude \
147	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001621414053
148	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001060670679
149	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000002472436089
150	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000002515965375
151	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001598506221
152	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001011909263
153	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001159558406

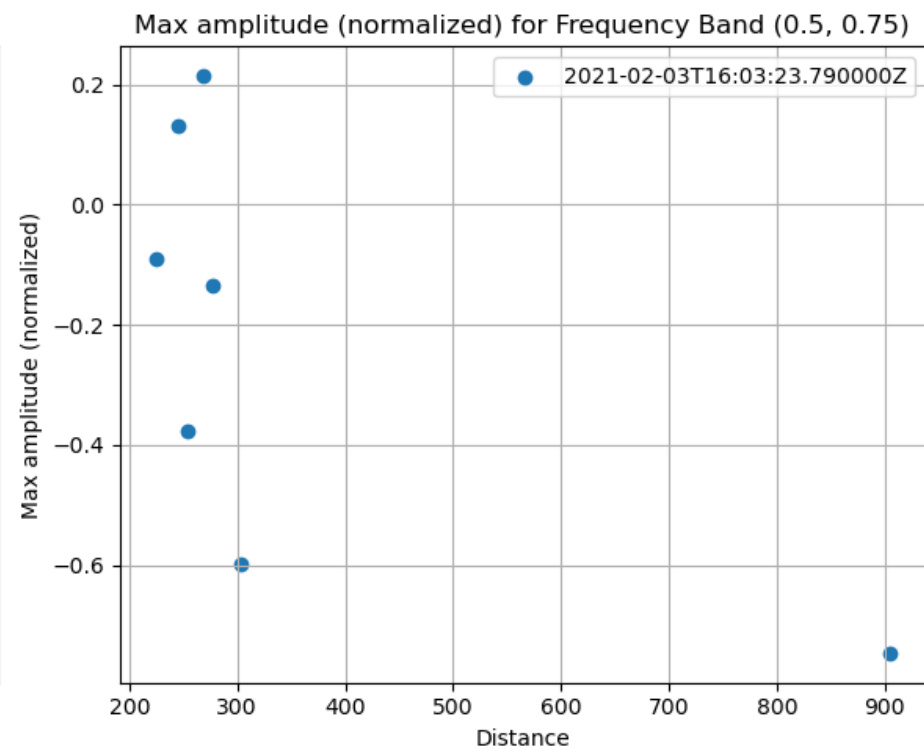
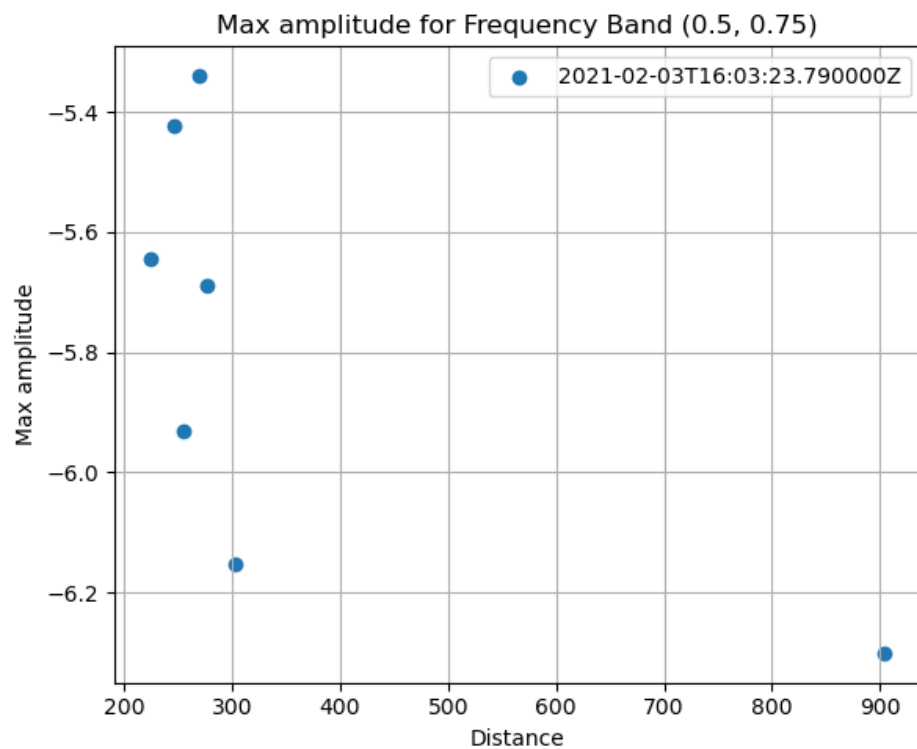
	frequency band	max amplitude (normalized)
147	(0.25, 0.5)	-0.235719218461289
148	(0.25, 0.5)	-0.420032587733223
149	(0.25, 0.5)	-0.052488077073299
150	(0.25, 0.5)	-0.044908491222706
151	(0.25, 0.5)	-0.241898820431565
152	(0.25, 0.5)	-0.440471579736715
153	(0.25, 0.5)	-0.381320522505322



	station name	distance	event \
154	R34A9	276.448964525551446	2021-02-03T16:03:23.790000Z
155	R3E0C	904.159956087788146	2021-02-03T16:03:23.790000Z
156	R4DB9	245.897258514659399	2021-02-03T16:03:23.790000Z
157	RCCD1	268.568770093039689	2021-02-03T16:03:23.790000Z
158	RD17E	224.707141477152106	2021-02-03T16:03:23.790000Z
159	RD4D8	254.353897726109722	2021-02-03T16:03:23.790000Z
160	RE1CC	302.945638417220835	2021-02-03T16:03:23.790000Z

	location	magnitude	mag type	max amplitude \
154	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000002053884333
155	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000000498954488
156	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000003777343925
157	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000004582634302
158	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000002267116022
159	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001170991727
160	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000000704867726

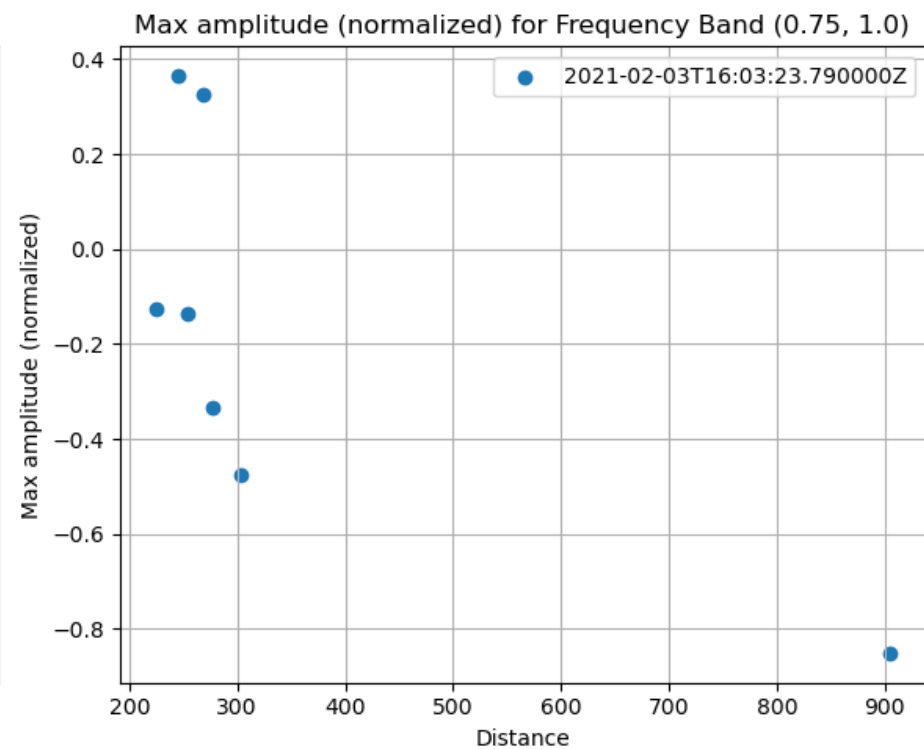
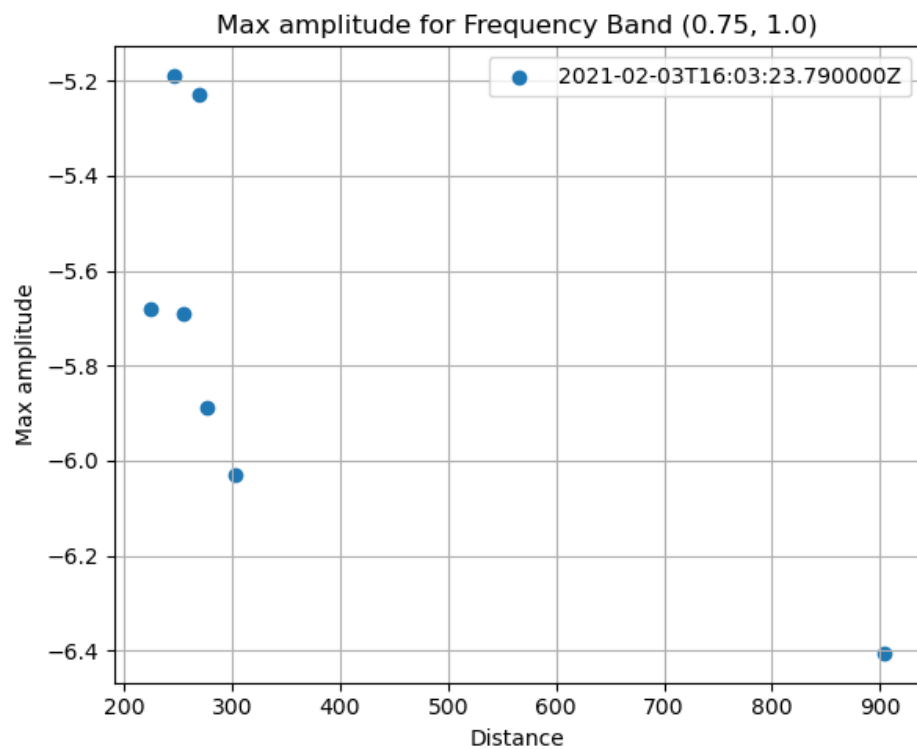
	frequency band	max amplitude (normalized)
154	(0.5, 0.75)	-0.133037169116252
155	(0.5, 0.75)	-0.747552217843945
156	(0.5, 0.75)	0.131573377729480
157	(0.5, 0.75)	0.215502050328388
158	(0.5, 0.75)	-0.090139404990152
159	(0.5, 0.75)	-0.377059324498950
160	(0.5, 0.75)	-0.597505525125570



	station name	distance	event \
161	R34A9	276.448964525551446	2021-02-03T16:03:23.790000Z
162	R3E0C	904.159956087788146	2021-02-03T16:03:23.790000Z
163	R4DB9	245.897258514659399	2021-02-03T16:03:23.790000Z
164	RCCD1	268.568770093039689	2021-02-03T16:03:23.790000Z
165	RD17E	224.707141477152106	2021-02-03T16:03:23.790000Z
166	RD4D8	254.353897726109722	2021-02-03T16:03:23.790000Z
167	RE1CC	302.945638417220835	2021-02-03T16:03:23.790000Z

	location	magnitude	mag type	max amplitude \
161	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001294083438
162	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000000392305791
163	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000006476976809
164	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000005904885210
165	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000002083883263
166	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000002042847435
167	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000000933078570

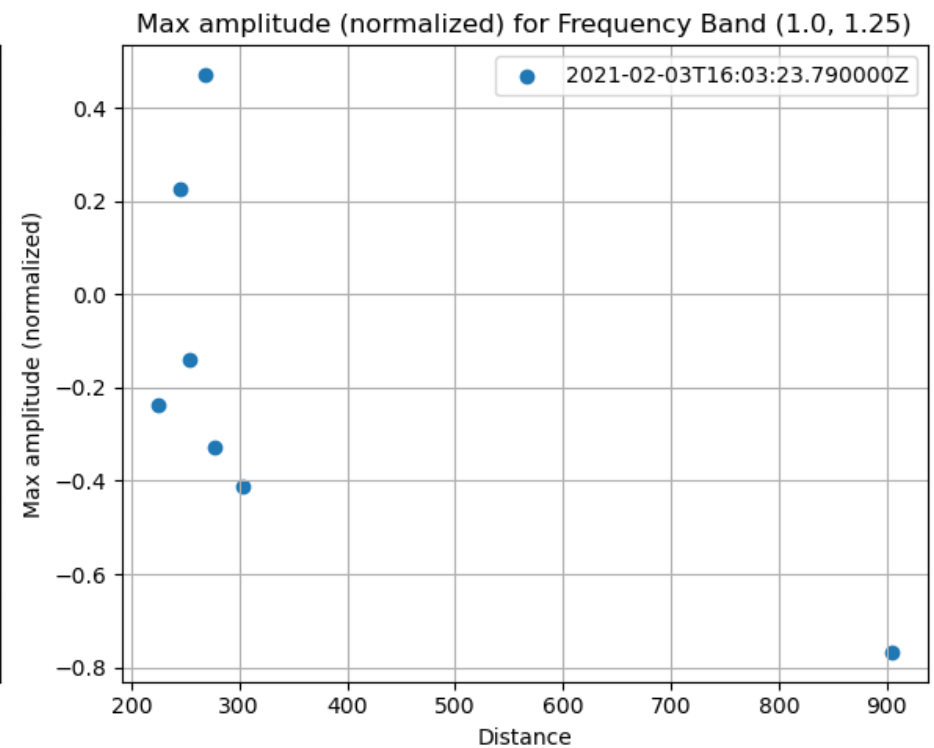
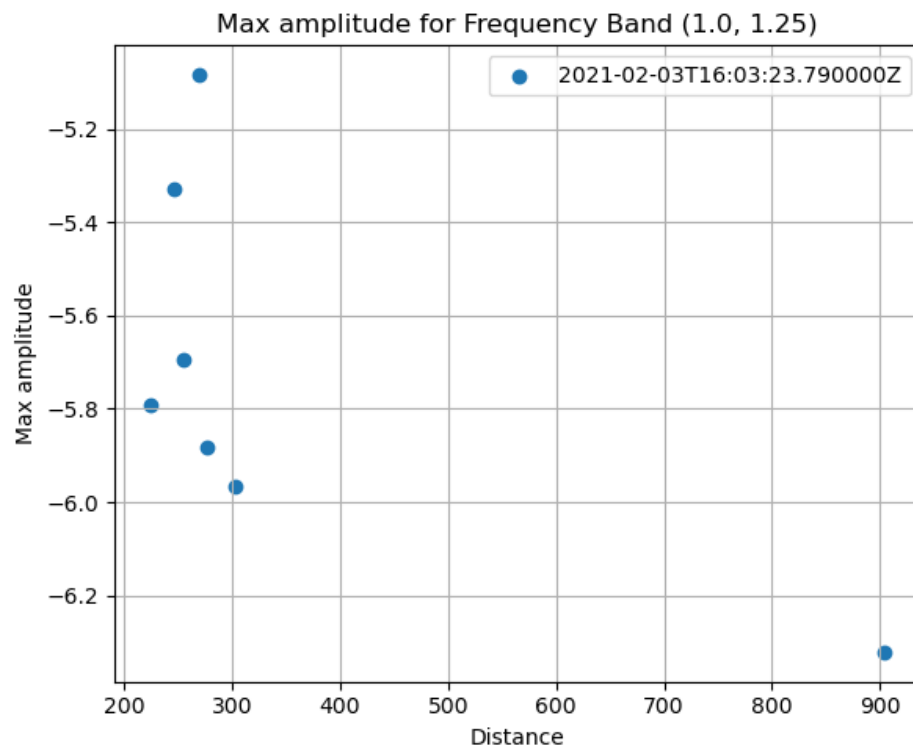
	frequency band	max amplitude (normalized)
161	(0.75, 1.0)	-0.333650872079529
162	(0.75, 1.0)	-0.851988431658668
163	(0.75, 1.0)	0.365759190850877
164	(0.75, 1.0)	0.325598308213634
165	(0.75, 1.0)	-0.126739764540950
166	(0.75, 1.0)	-0.135377217500755
167	(0.75, 1.0)	-0.475694936219981



	station name	distance	event \
168	R34A9	276.448964525551446	2021-02-03T16:03:23.790000Z
169	R3E0C	904.159956087788146	2021-02-03T16:03:23.790000Z
170	R4DB9	245.897258514659399	2021-02-03T16:03:23.790000Z
171	RCCD1	268.568770093039689	2021-02-03T16:03:23.790000Z
172	RD17E	224.707141477152106	2021-02-03T16:03:23.790000Z
173	RD4D8	254.353897726109722	2021-02-03T16:03:23.790000Z
174	RE1CC	302.945638417220835	2021-02-03T16:03:23.790000Z

	location	magnitude	mag type	max amplitude \
168	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001308983958
169	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000000475403797
170	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000004685028845
171	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000008255930814
172	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001609936066
173	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000002013303970
174	[19.0905, -68.8785, 8.0]	4.1800000000000000	md	0.000001076924324

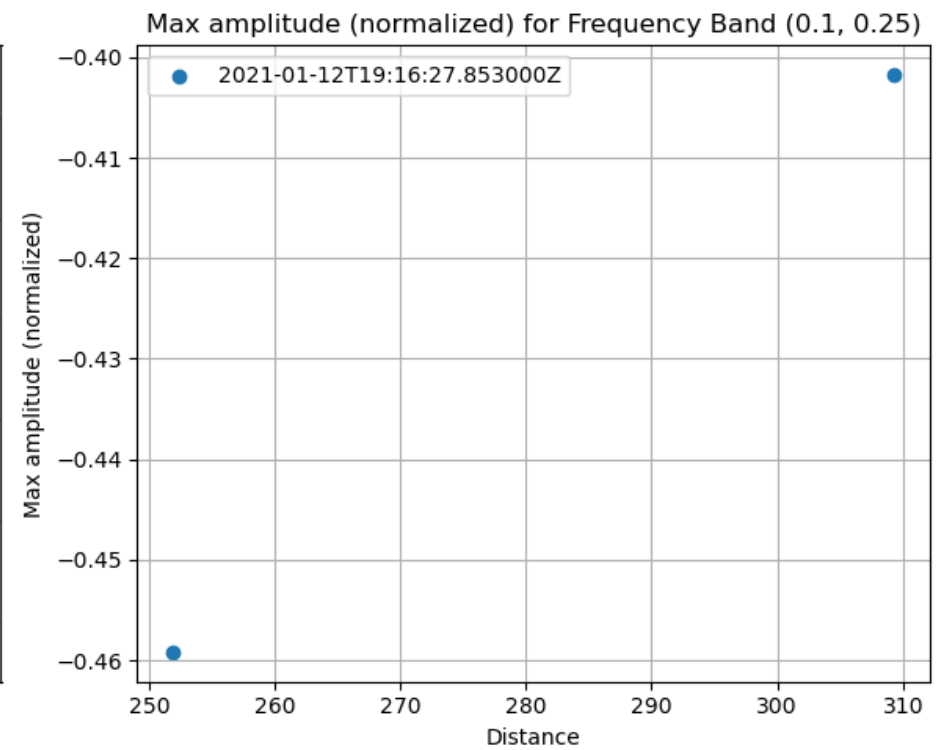
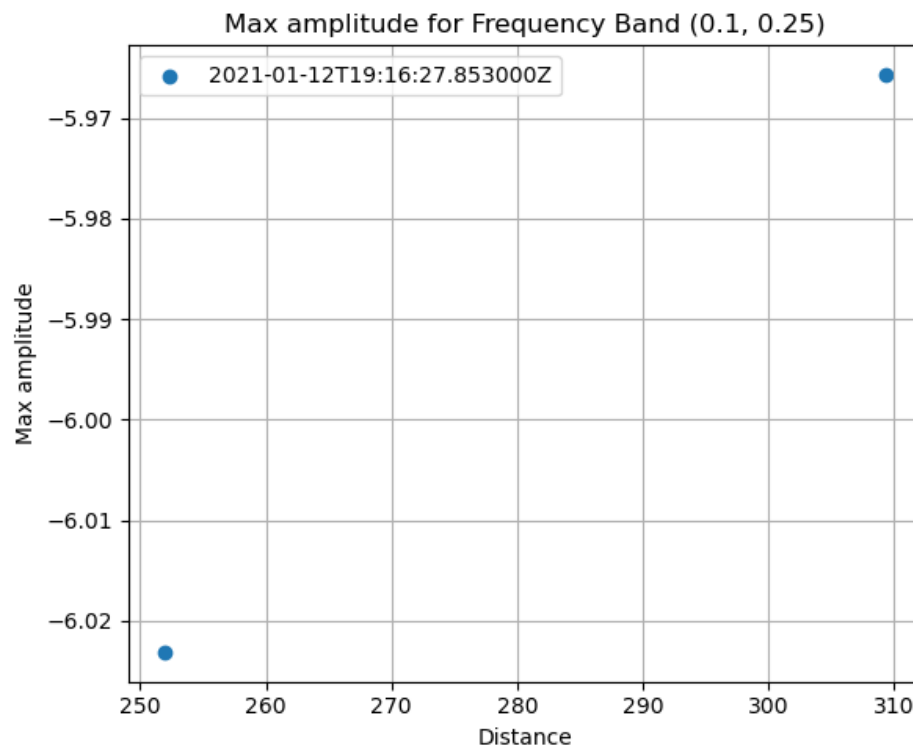
	frequency band	max amplitude (normalized)
168	(1.0, 1.25)	-0.328678827134132
169	(1.0, 1.25)	-0.768550504825305
170	(1.0, 1.25)	0.225099117873688
171	(1.0, 1.25)	0.471152893627439
172	(1.0, 1.25)	-0.238804521667918
173	(1.0, 1.25)	-0.141703801290801
174	(1.0, 1.25)	-0.413427964996682



	station name	distance	event \
175	R50D4	251.935331799828901	2021-01-12T19:16:27.853000Z
176	R595E	309.279728394416281	2021-01-12T19:16:27.853000Z

	location	magnitude	mag type	max amplitude \
175	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000000947988738
176	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000001082298191

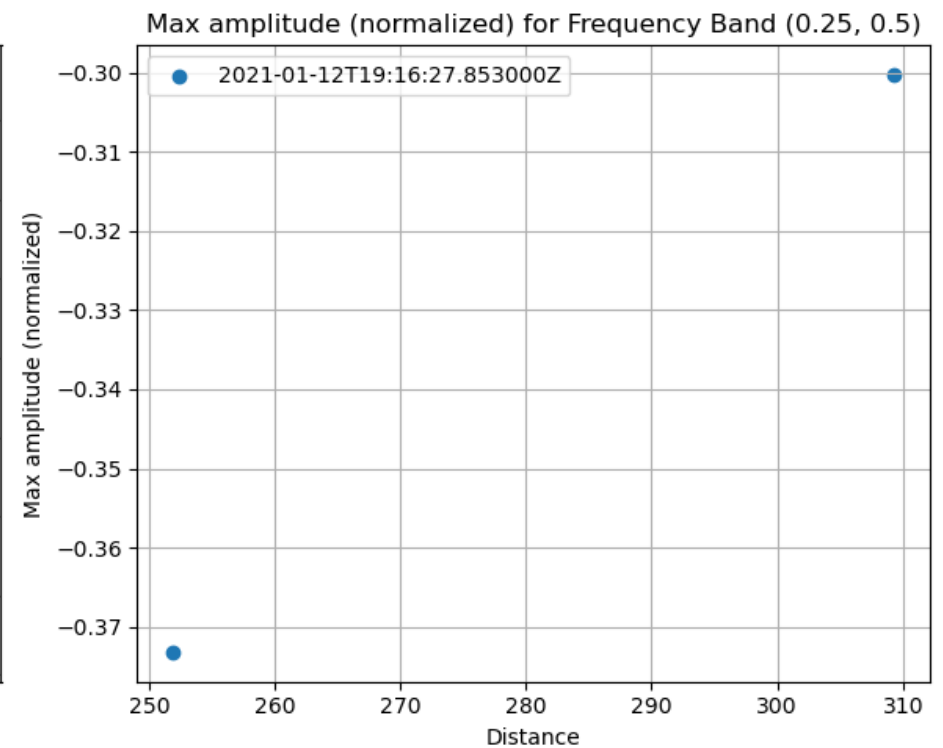
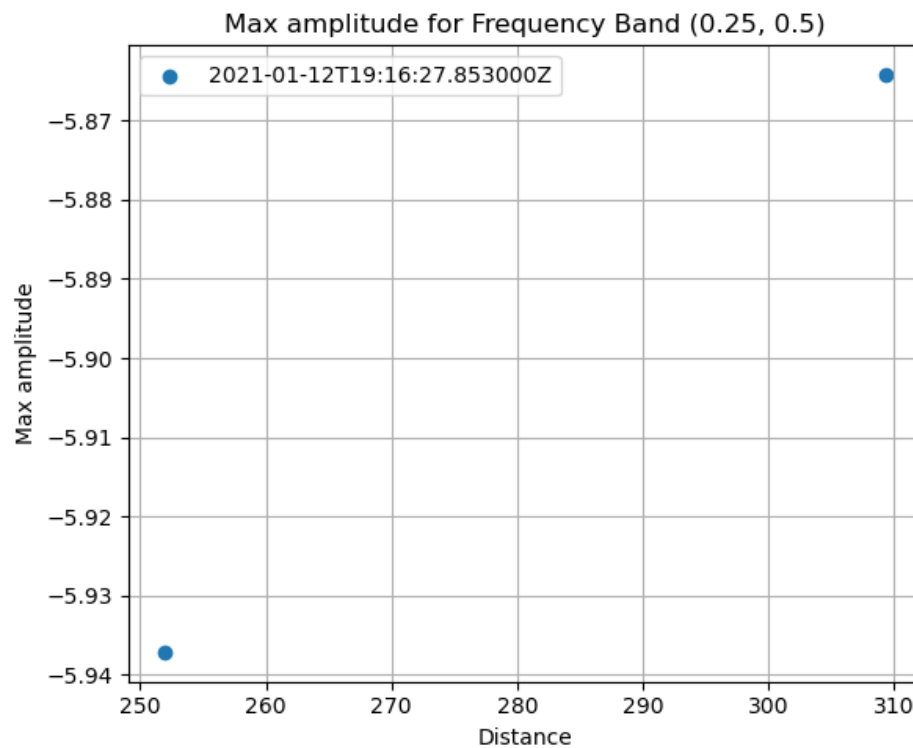
	frequency band	max amplitude (normalized)
175	(0.1, 0.25)	-0.459257270859453
176	(0.1, 0.25)	-0.401713516079725



	station name	distance	event \
177	R50D4	251.935331799828901	2021-01-12T19:16:27.853000Z
178	R595E	309.279728394416281	2021-01-12T19:16:27.853000Z

	location	magnitude	mag type	max amplitude \
177	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000001155604625
178	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000001367148162

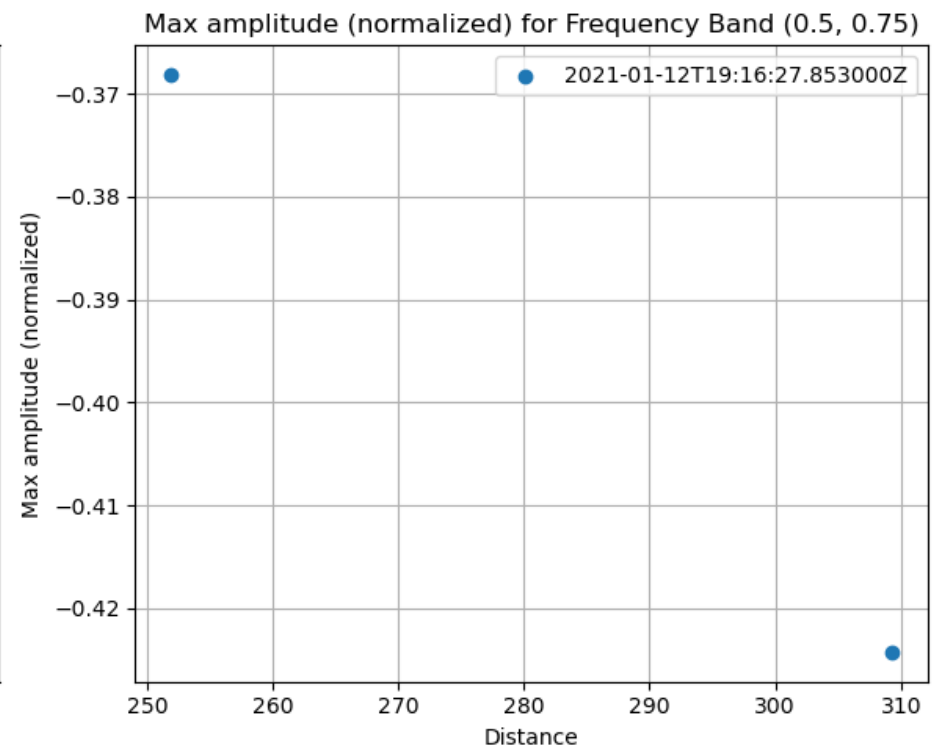
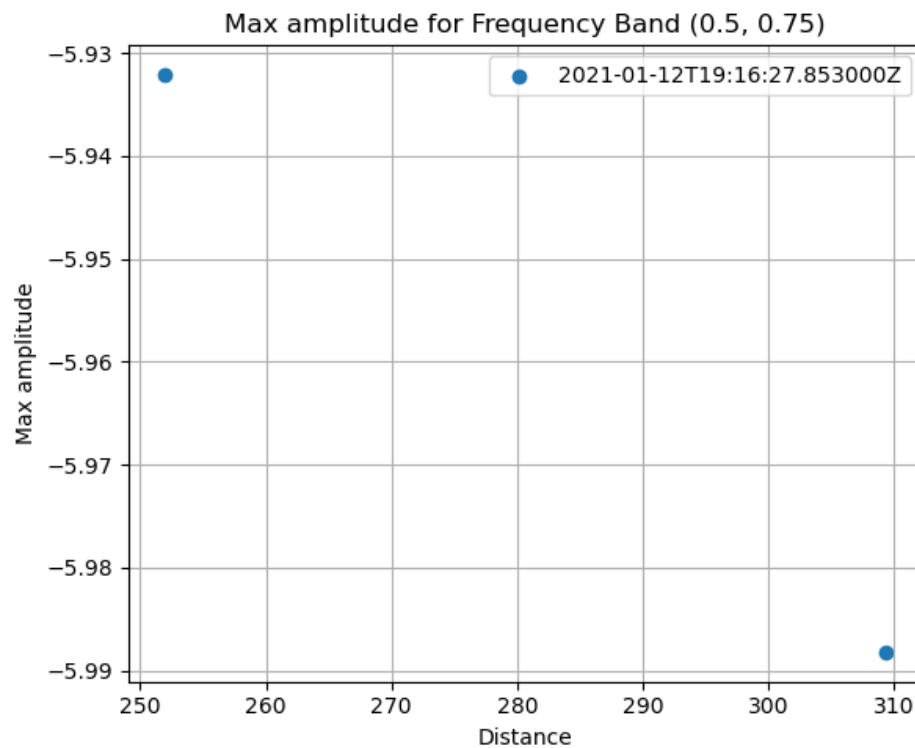
	frequency band	max amplitude (normalized)
177	(0.25, 0.5)	-0.373251177399696
178	(0.25, 0.5)	-0.300244865786743



	station name	distance	event \
179	R50D4	251.935331799828901	2021-01-12T19:16:27.853000Z
180	R595E	309.279728394416281	2021-01-12T19:16:27.853000Z

	location	magnitude	mag type	max amplitude \
179	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000001169280925
180	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000001027414617

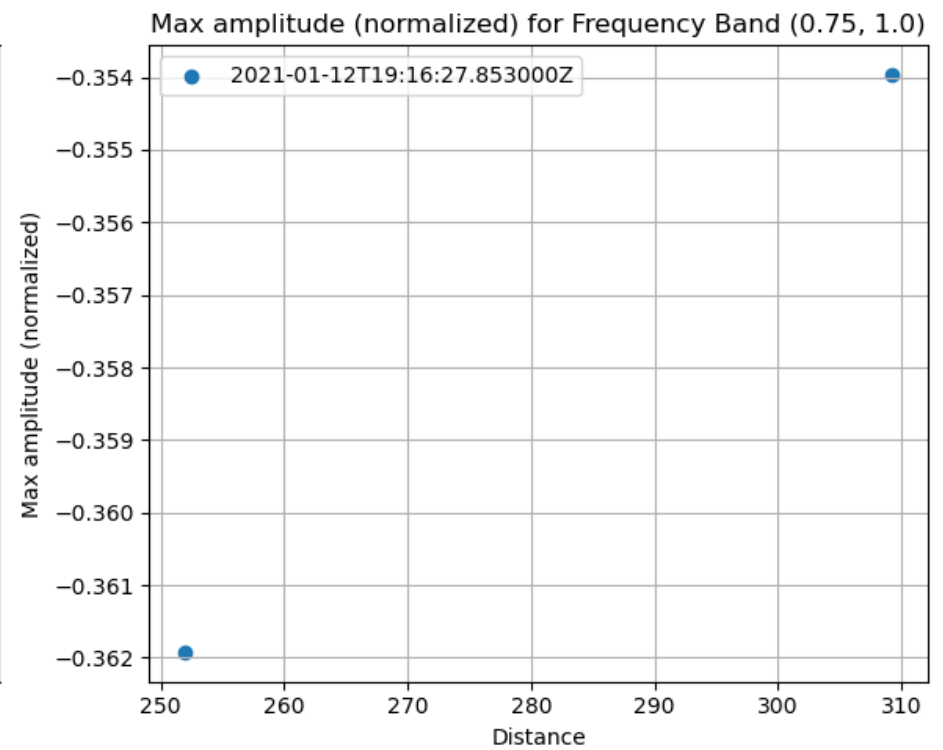
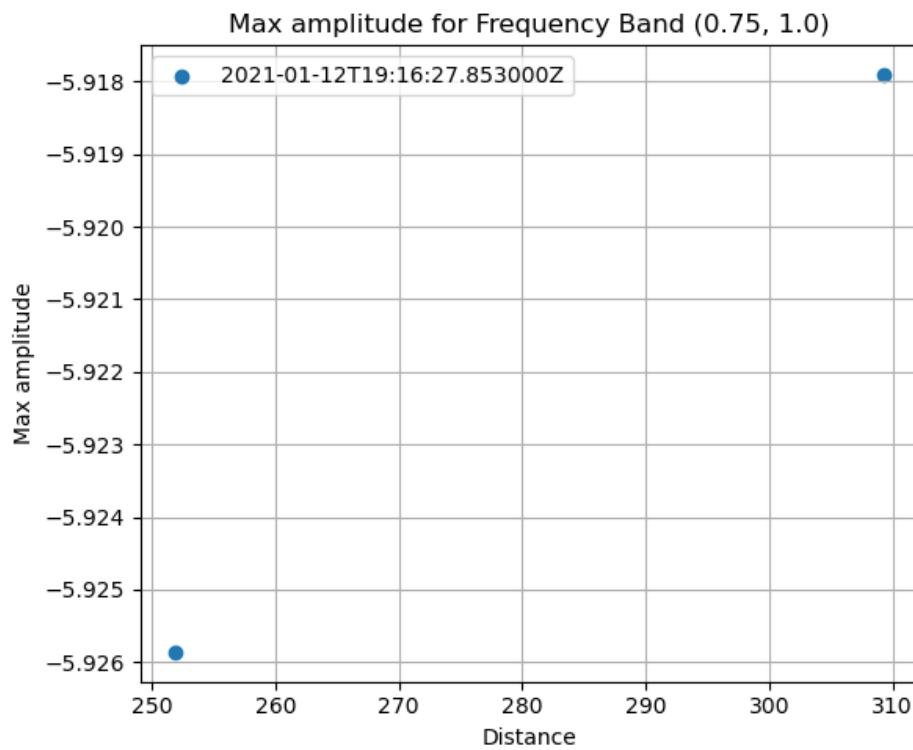
	frequency band	max amplitude (normalized)
179	(0.5, 0.75)	-0.368141583735087
180	(0.5, 0.75)	-0.424314708437135



	station name	distance	event \
181	R50D4	251.935331799828901	2021-01-12T19:16:27.853000Z
182	R595E	309.279728394416281	2021-01-12T19:16:27.853000Z

	location	magnitude	mag type	max amplitude \
181	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000001186120558
182	[16.5221, -72.0398, 14.17]	4.400000000000000	mb	0.000001208089783

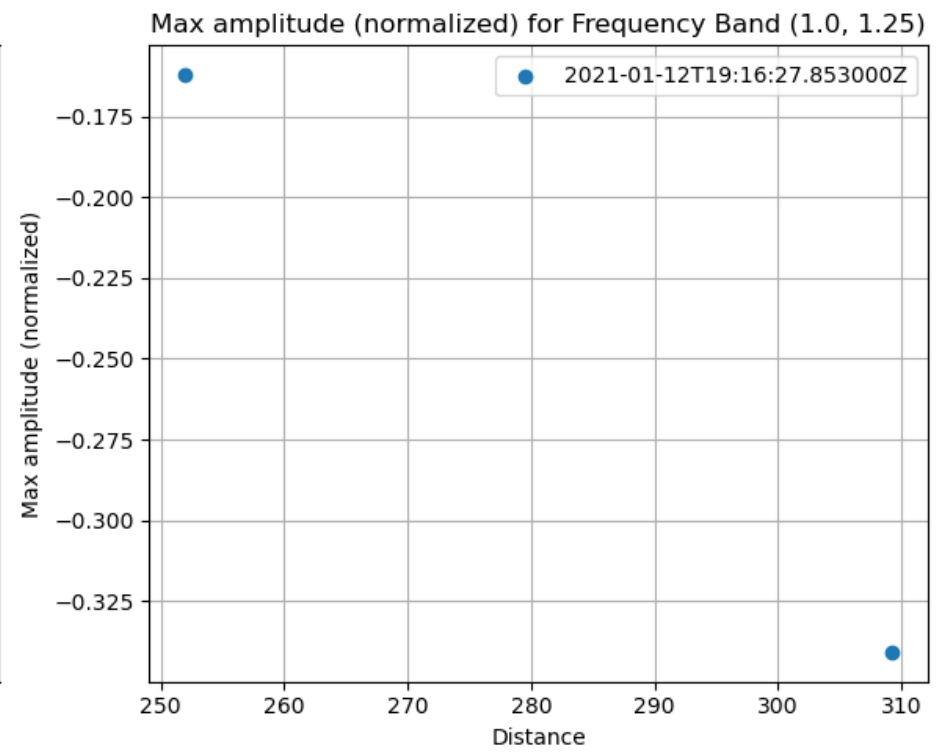
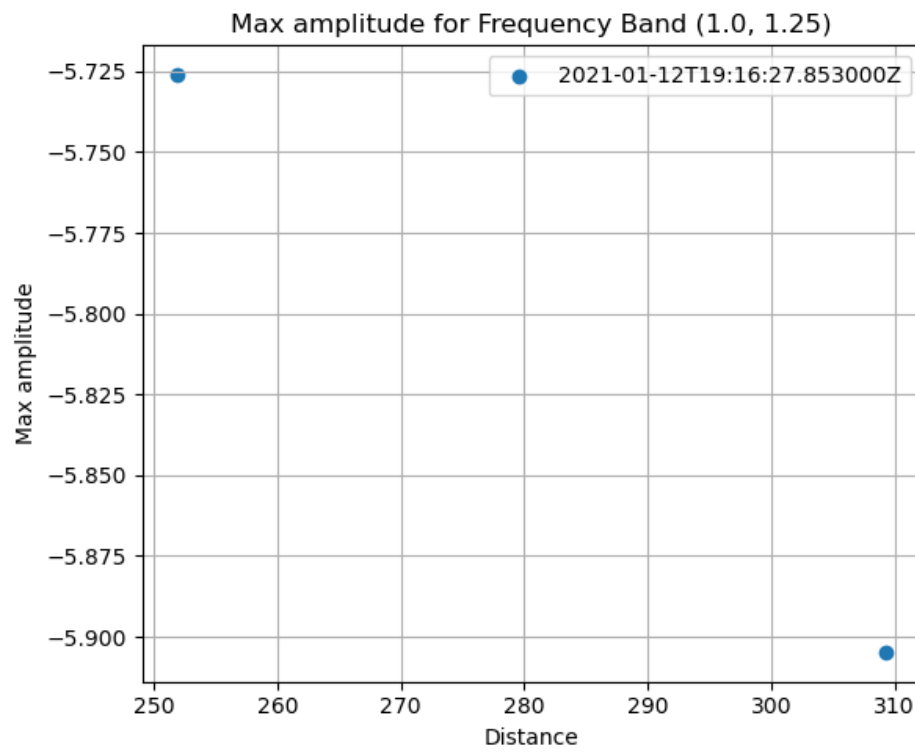
	frequency band	max amplitude (normalized)
181	(0.75, 1.0)	-0.361931615297146
182	(0.75, 1.0)	-0.353961237262676



	station name	distance	event \
183	R50D4	251.935331799828901	2021-01-12T19:16:27.853000Z
184	R595E	309.279728394416281	2021-01-12T19:16:27.853000Z

	location	magnitude	mag type	max amplitude \
183	[16.5221, -72.0398, 14.17]	4.4000000000000000	mb	0.000001879365470
184	[16.5221, -72.0398, 14.17]	4.4000000000000000	mb	0.000001244757102

	frequency band	max amplitude (normalized)
183	(1.0, 1.25)	-0.162049205475080
184	(1.0, 1.25)	-0.340975835662342



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