

# Greens's Fucntion Report: N3Dmean\_buffer10km\_Q\_ER\_50m

January 25, 2022

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# Artefact Report: N3Dmean\_buffer10km\_Q\_ER\_50m

The artefact report is created by finding the maximum amplitude before and after a certain tabulated phase (after filtering without demeaning) for each trace, and then reports only the maximum value per source/sensors array. The phase search string for this store was: **begin**.

Trace information

Artefact maximum-ratio

Source Type: Double Couple, Strike: -90, Dip: 90, Rake: -90, Sensor Strike: 145, Azimuth: 0, Dip: 0  
Displacement traces (R)

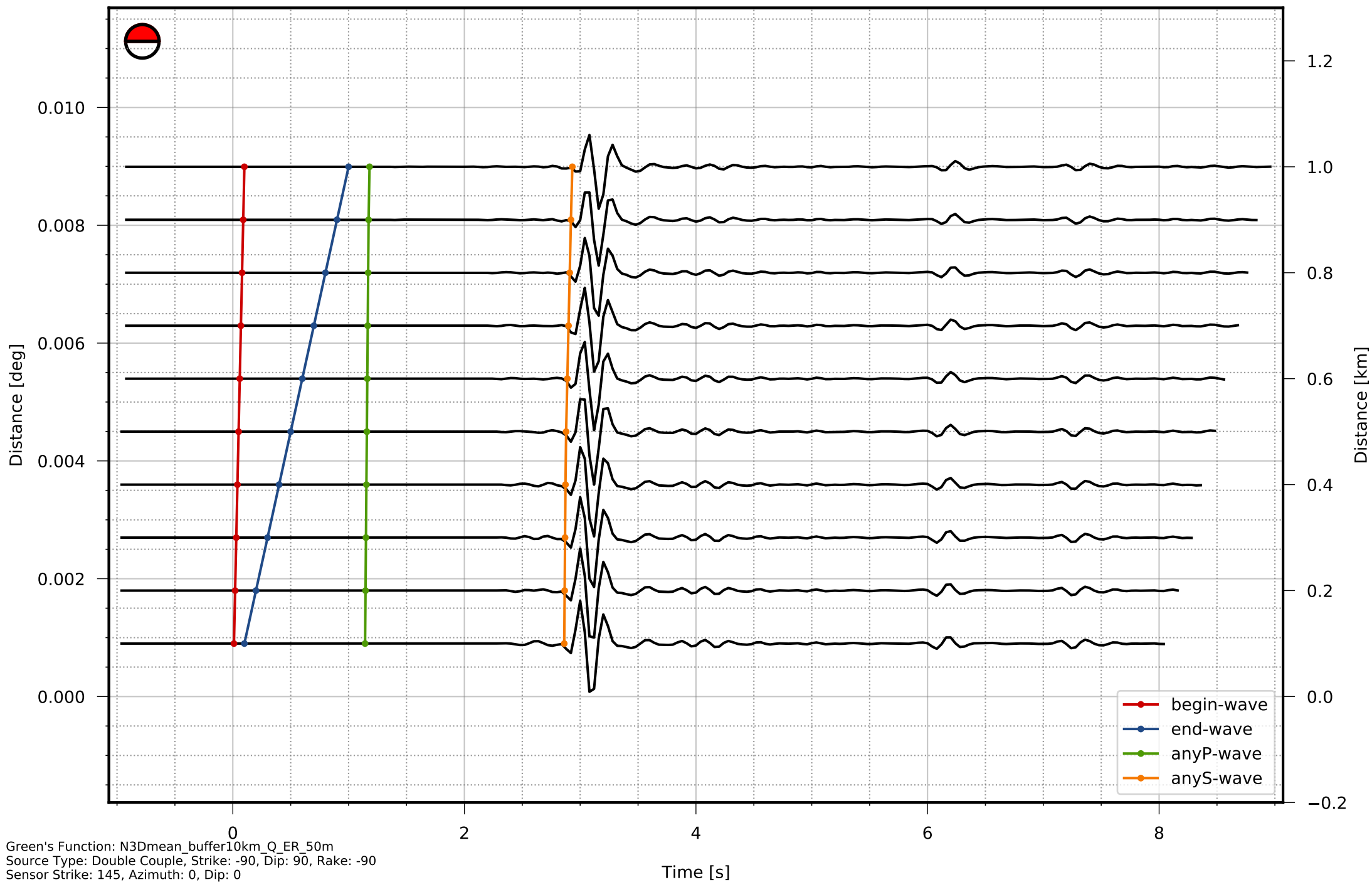
0.000

**Source Type: Double Couple, Strike: -90, Dip: 90, Rake: -90, Sensor Strike: 145, Azimuth: 0, Dip: 0**

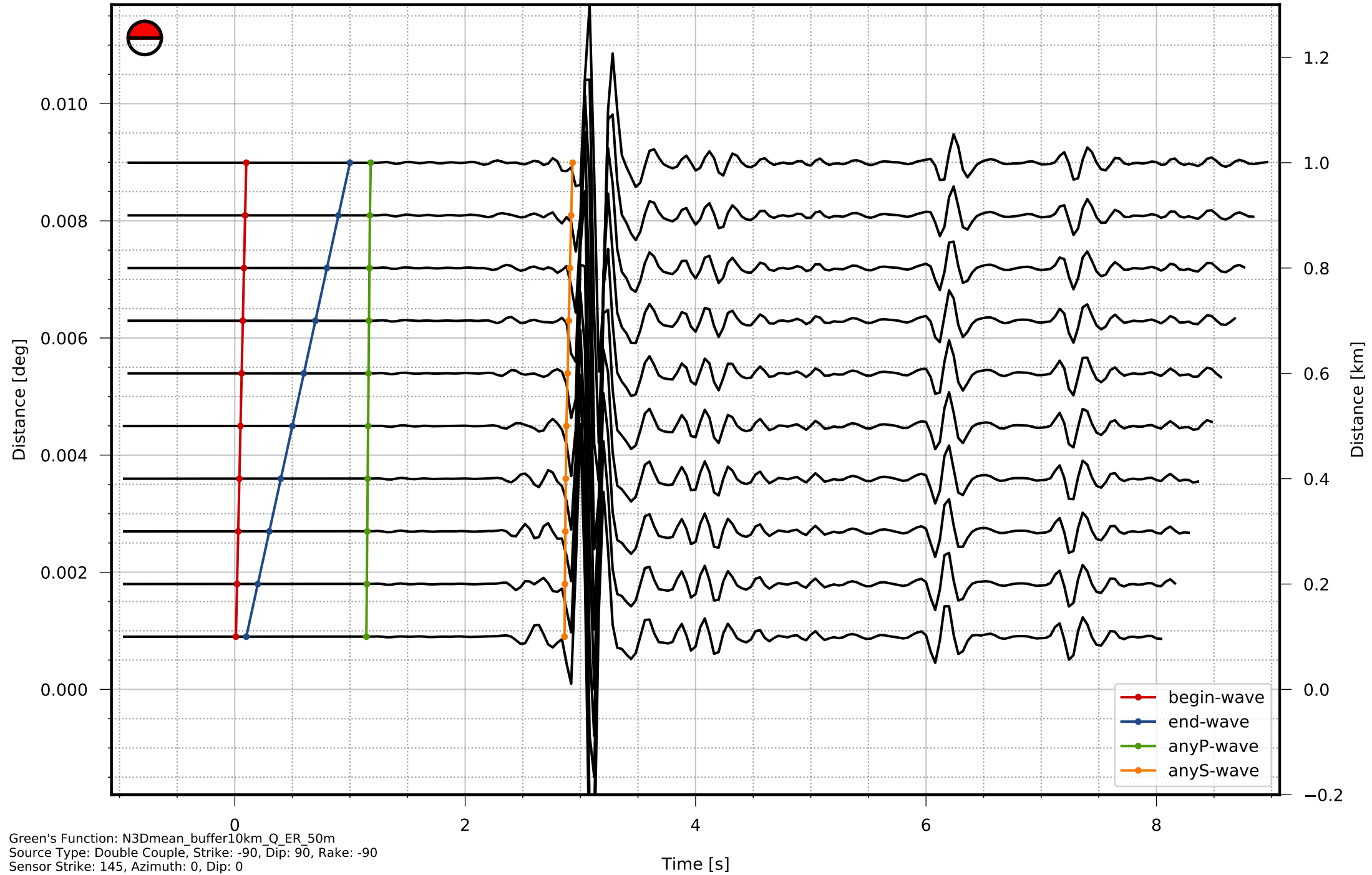
```
— !pf.DCSource
depth: 3600.0
time: '1970-01-01 00:00:00'
stf_mode: post
magnitude: 0.2
strike: -90.0
dip: 90.0
rake: -90.0
```

```
— !gft.SensorArray
depth: 0.0
codes:
_ "
- KWI
_ "
- R
elevation: 0.0
interpolation: nearest_neighbor
azimuth: 0.0
dip: 0.0
distance_min: 100.0
distance_max: 1000.0
strike: 145.0
sensor_count: 10
```

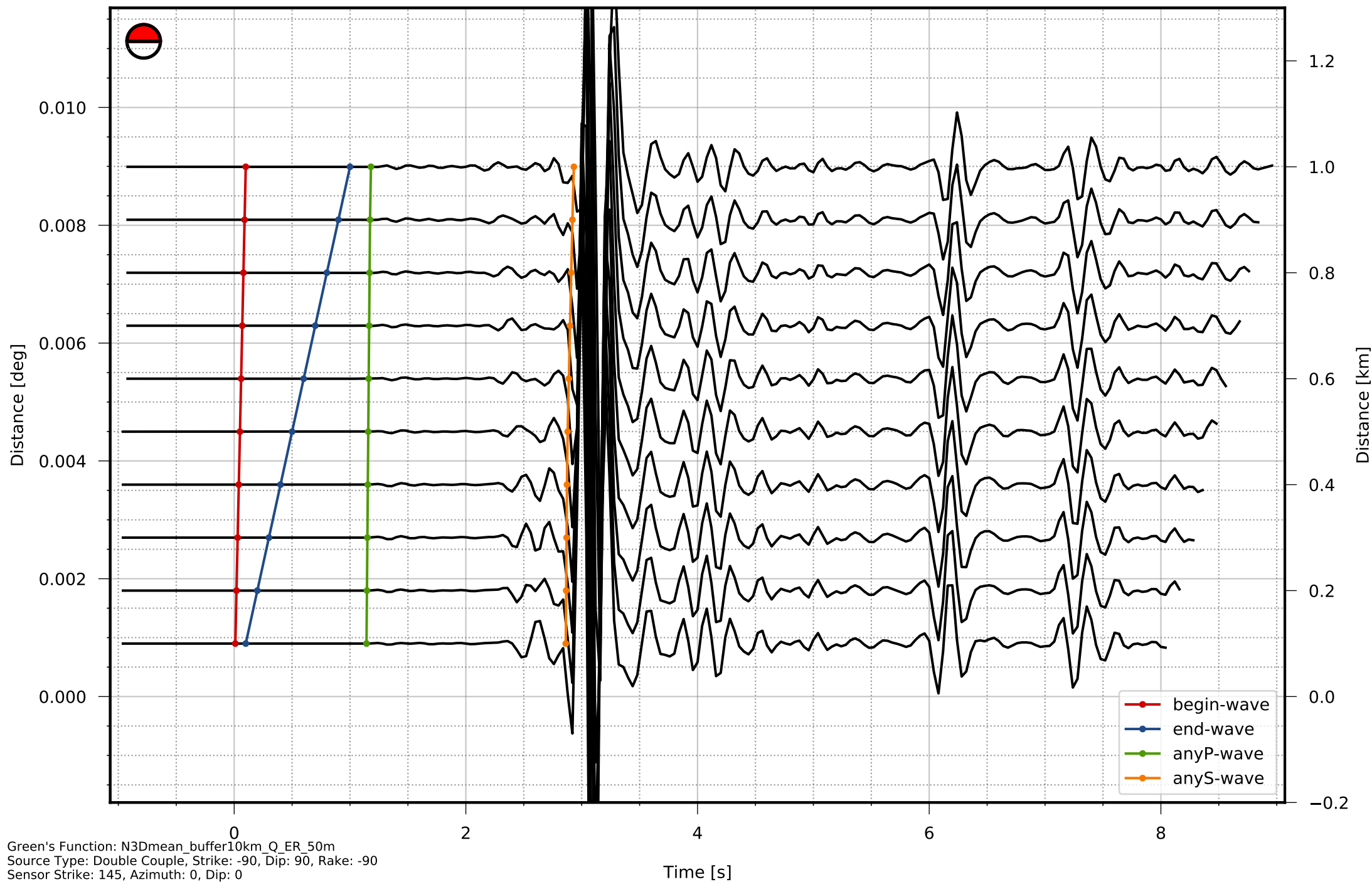
## Displacement traces (R), 3.125-6.25 [Hz]



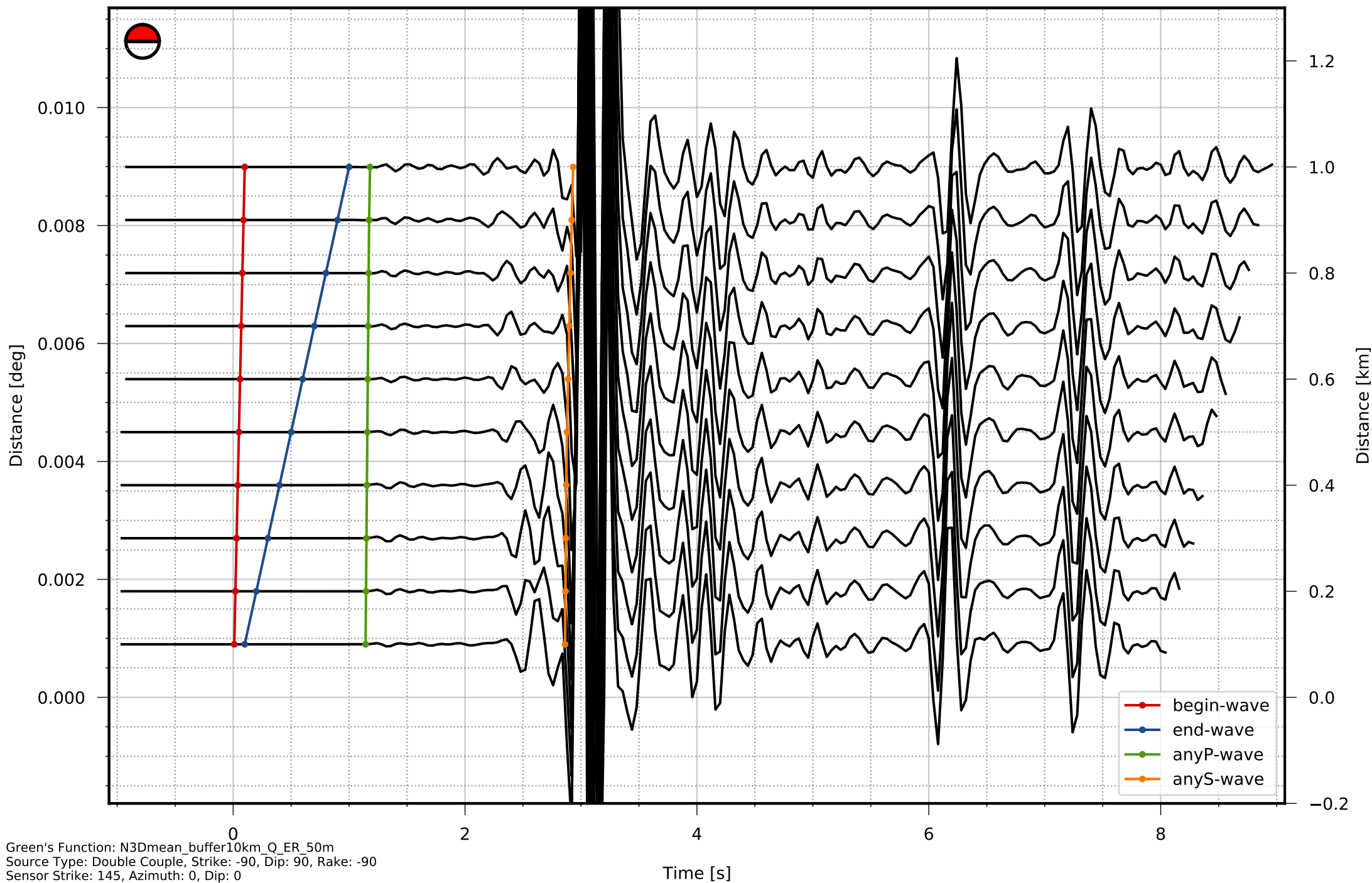
## Displacement traces (R), 3.125-6.25 [Hz]



## Displacement traces (R), 3.125-6.25 [Hz]

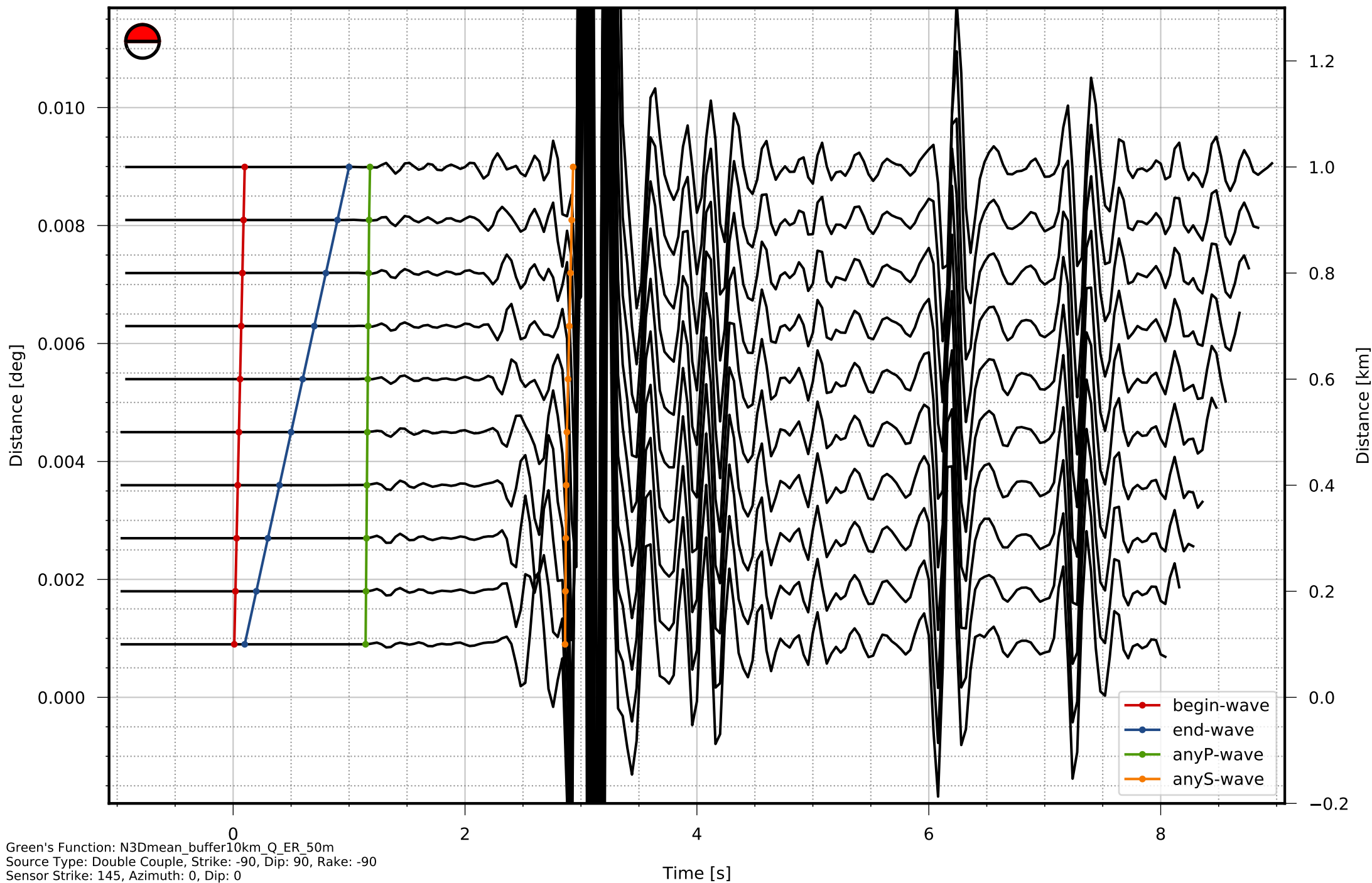


## Displacement traces (R), 3.125-6.25 [Hz]

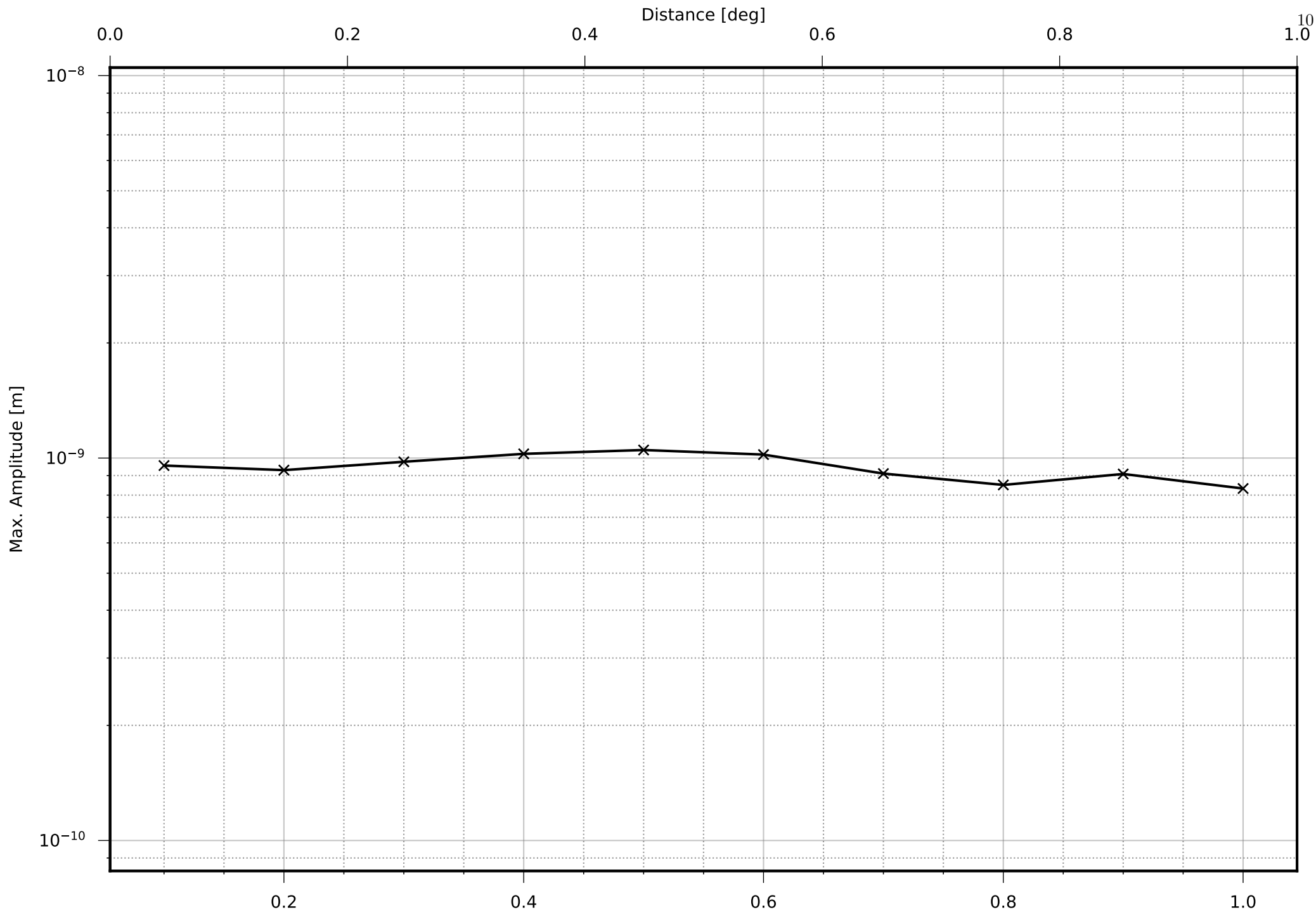




## Displacement traces (R), 3.125-6.25 [Hz]

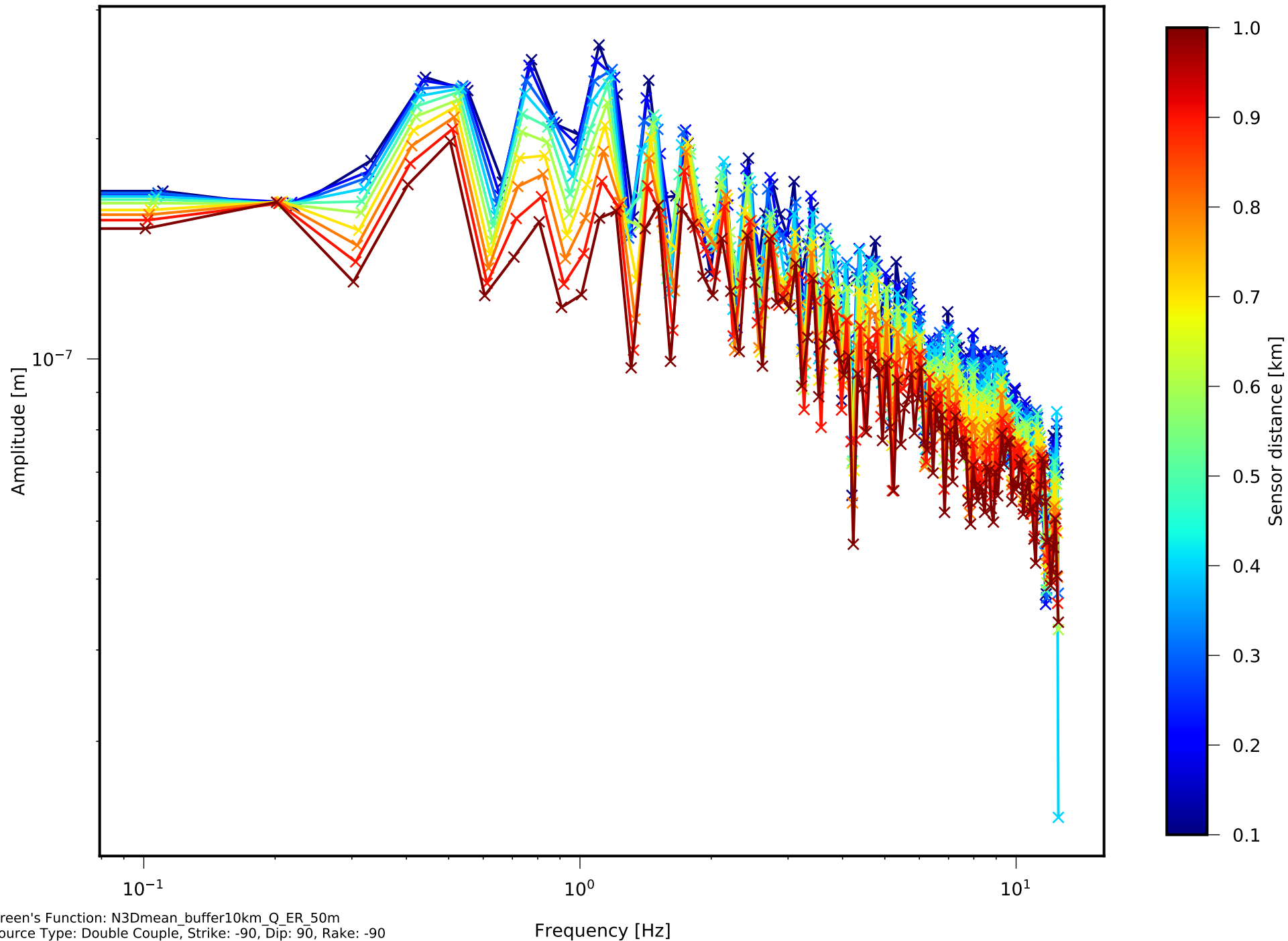


# Displacement amplitudes for (R)



Green's Function: N3Dmean\_buffer10km\_Q\_ER\_50m  
Source Type: Double Couple, Strike: -90, Dip: 90, Rake: -90  
Sensor Strike: 145, Azimuth: 0, Dip: 0

Displacement spectra for (R)



# Appendix

## Model configuration: N3Dmean\_buffer10km\_Q\_ER\_50m

—— !pf.ConfigTypeB

id: N3Dmean\_buffer10km\_Q\_ER\_50m

modelling\_code\_id: qseis.2006a

regions: []

references: []

earthmodel\_id: |2

	0.	1.742	0.3499	2.039	50.	10.
	5.000E-02	1.767	0.3845	2.038	50.	10.
I0A						
	5.000E-02	1.767	0.3845	2.038	50.	50.
	0.2	1.843	0.4884	2.037	50.	50.
I0B						
	0.2	1.843	0.4884	2.037	200.	200.
	0.3383	1.913	0.5841	2.035	200.	200.
I01						
	0.3383	1.931	0.622	2.002	200.	200.
	0.8358	1.931	0.622	2.002	200.	200.
I02						
	0.8358	2.551	1.126	2.083	200.	200.
	1.73	4.606	2.368	2.639	200.	200.
I03						
	1.73	2.991	1.434	2.421	200.	200.
	1.809	3.029	1.466	2.433	200.	200.
I04						
	1.809	3.613	2.106	2.352	200.	200.
	1.952	3.708	2.157	2.374	200.	200.

I05	1.952	4.3	2.436	2.028	200.	200.
	2.139	4.3	2.436	2.028	200.	200.
I06	2.139	5.729	3.152	2.748	200.	200.
	2.177	5.729	3.152	2.748	200.	200.
I07	2.177	4.475	2.524	2.141	200.	200.
	2.772	4.475	2.524	2.141	200.	200.
I08	2.772	6.	3.288	2.845	200.	200.
	2.823	6.	3.288	2.845	200.	200.
I09	2.823	3.8	2.232	2.435	200.	200.
	3.084	3.8	2.232	2.435	200.	200.
I10	3.084	4.241	2.384	2.65	200.	200.
	4.	4.736	2.843	2.65	200.	200.
	4.	4.736	2.843	2.7	200.	200.
	5.31	5.445	3.5	2.7	408.	304.
	5.31	5.445	3.5	2.7	408.	304.
	6.521	6.1	3.5	2.7	600.	400.
baselocal	6.521	6.1	3.5	2.75	600.	400.
	11.	6.1	3.5	2.75	600.	400.
	11.	6.3	3.6	2.8	1378.	600.
	21.	6.3	3.6	2.8	1378.	600.
	21.	6.6	3.6	2.9	1513.	600.
	31.	6.6	3.6	2.9	1513.	600.
mantle	31.	8.04	4.48	3.58	1449.	600.
	77.5	8.045	4.49	3.5	1445.	600.
	77.5	8.045	4.49	3.5	180.6	75.
	120.	8.05	4.5	3.427	180.	75.
	120.	8.05	4.5	3.427	182.6	76.06
	165.	8.175	4.509	3.371	188.7	76.55
	210.	8.301	4.518	3.324	201.	79.4

sample\_rate: 25.0

component\_scheme: elastic10

tabulated\_phases:

```

— !pf.TPDef
  id: begin
  definition: '10.0'
— !pf.TPDef
  id: end
  definition: '1.0'
— !pf.TPDef
  id: anyP
  definition: P,p
— !pf.TPDef
  id: anyS
  definition: S,s
— !pf.TPDef
  id: P
  definition: P
— !pf.TPDef
  id: S
  definition: S
— !pf.TPDef
  id: p
  definition: p
— !pf.TPDef
  id: s
  definition: s
ncomponents: 10
receiver_depth_min: 0.0
receiver_depth_max: 200.0
receiver_depth_delta: 50.0
source_depth_min: 1000.0
source_depth_max: 4000.0
source_depth_delta: 50.0
distance_min: 0.0
distance_max: 15000.0
distance_delta: 50.0

```

