NESA BULLETIN
December 1 - 15, 1940
Bulletin No. 59

****(December 3)****

Weston

\[ eP_2 \ 17 \ 35 \ 08.7 \]
\[ iP_1P_1 \ 10.4 \]
\[ iS_2 \ 27.7 \]
\[ iS_1 \ 28.9 \]
\[ \Delta = 155 \text{ km. (97 mi.)} \]
\[ H = 17 \ 34 \ 43.8 \]

Harvard

\[ iP_1 \ 17 \ 35 \ 13 \]
\[ iS_2 \ 32.6 \]
\[ iS_1 \ 35.0 \]
\[ \Delta = 175 \text{ km. (109 mi.)} \]


Weston

\[ eP_2 \ 17 \ 36 \ 10.6 \]
\[ iP_1P_1 \ 12.3 \]
\[ iS_2 \ 29.7 \]
\[ iS_1 \ 30.8 \]
\[ \Delta = 155 \text{ km. (97 mi.)} \]
\[ H = 17 \ 35 \ 45.7 \]

Harvard

\[ iP_1 \ 17 \ 36 \ 14.3 \]
\[ iS_2 \ 34.3 \]
\[ iS_1 \ 36.8 \]
\[ \Delta = 175 \text{ km. (109 mi.)} \]

Apparently two shocks in the Atlantic Ocean, about 85 miles east of Boston, ca. \( \phi = 42^\circ \text{ N.} \), \( \lambda = 69^\circ \text{ W.} \)


****(December 5)****

Fordham

\[ i \ 20 \ 06 \ 44.0 \]
\[ i \ 46.0 \]
\[ i \ 48.0 \]
\[ i \ 52.6 \]
\[ i \ 56.3 \]
\[ i \ 07 \ 05.0 \]


****(December 5)****

Harvard

\[ iP_1 \ 20 \ 07 \ 54.2 \]
\[ eP_1P_1 \ 57 \]
\[ iS_1 \ 08 \ 04 \]
\[ eS_1S_1 \ 05.2 \]
\[ \Delta = 75 \text{ km. (47 mi.)} \]
\[ H = 20 \ 07 \ 42 \]

Weston

\[ eP_1 \ 20 \ 07 \ 56 \]
\[ iS_1 \ 08 \ 08.6 \]
\[ \Delta = 92 \text{ km. (57 mi.)} \]

Probably blast, near Palmer, Mass.

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***** (December 8) *****

Weston
1 06 30 38

Fordham
1 06 30 41 Deep focus?

***** (December 11) *****

Weston
IS? 17 06 24.0

***** (December 11) *****

Fordham
1 18 02 10.8 (?)
1 11.9
IS2 30.0
IS1 30.8
\[ \Delta = 150 - 160 \text{ km.} \]

Weston
eS? 18 03 35 On North-South
eS? 38 component only.

***** (December 12) *****

Weston
IP1 15 15 09.2
IS1 12.8
IL1 14.5
1 17.0
\[ \Delta = 30 \text{ km. (19 mi.)} \]
H = 15 15 04.1

Laurence C. Langguth, S.J.