

GRB 151027A: Keck/HIRES redshiftD. A. Perley (DARK/NBI), L. Hillenbrand (Caltech), and J. X. Prochaska (UCO/Lick) report:

We obtained a 900s spectrum of the optical afterglow of GRB 151027A (Maselli et al., GCN 18478) with Keck/HIRES starting at UT 06:54 on 2015-10-27. In the preliminary reduction, we identify a series of strong absorption lines including the MgII doublet at  $z=0.81$ . Associated MgI, FeII, and (likely) FeII\* are also present, indicating that this is the redshift of the GRB. Analysis is ongoing.

For the given circular, can you extract the following information:

Redshift Value: Extract the redshift value observed for the GRB, if any. If not, answer No Redshift. If multiple measurements are present, only pick the most likely one.

Telescope: What was the name of the telescope used for observation? Event: Extract the GRB Number of the event. Redshift Type: How was the redshift determined? Answer Photometric if it was photometric. Answer Spectroscopic if it was spectroscopic or had absorption or emission features or lines. If there's no redshift value, answer No Redshift. If there's no information on the type, answer No Information.

The output should be a markdown code snippet formatted in the following schema, including the leading and trailing "```json" and "```":

```
```json
{
    "Redshift Value": string // Extract the redshift value observed for the GRB, if any. If not, answer No Redshift. If multiple measurements are present, only pick the most likely one.
    "Telescope": string // What was the name of the telescope used for observation? If not provided, answer No Information.
    "Event": string // Extract the GRB Number of the event. If not provided, answer No Information.
    "Redshift Type": string // How was the redshift determined? Answer Photometric if it was photometric. Answer Spectroscopic if it was spectroscopic or had absorption or emission features or lines. If there's no redshift value, answer No Redshift. If there's no information on the redshift type, answer No Information.
}
```

```

A:

```
```json
{
    "Redshift Value": "0.81",
    "Telescope": "Keck/HIRES",
    "Event": "GRB 151027A",
    "Redshift Type": "Spectroscopic"
}
```

```