

OPUS Project Job Input File

OPUS Project job input file contains input required to create an OPUS Project session. Includes baselines to be formed, session constraints and the hubs to include and constrain.

General Structure:

```
< Action > SessionProcessing </ Action >

    < Baselines >                               // info on all baselines to be formed
    < Processing Parameters >                   // session processing parameters (Based on user input)
    < Hubs >                                    // info on hubs to include and hubs to constrain
```

Baselines:

```
< BASELINES >                               // contains all the baselines to be formed -Root Element (opening/start tag)

    < BASELINE > // stores single baseline info from the “from” station to the “to” station –start tag

        <FROM> PLNA </FROM>                   // from station [4 char station ID]

        <TO> ANAT </TO>                       // to station [4 char station ID]

    </ BASELINE > // stores single baseline info from the “from” station to the “to” station –end tag

</ BASELINES >                               //contains all the baselines to be formed – Root Element (closing/end tag)
```

Processing Parameters:

```
<CONSTRAINT_WEIGHT> Normal </CONSTRAINT_WEIGHT>           //user input processing parameters

<ELEVATION_CUTOFF> 15.0 </ELEVATION_CUTOFF>                 //user input processing parameters

<EMAIL_ADDRESS> xxxxxxxxx@oregonstate.edu </EMAIL_ADDRESS> //user email

<GEOID_MODEL> LET OPUS CHOOSE </GEOID_MODEL>                 //user input processing parameters

<REFERENCE_FRAME>LET OPUS CHOOSE</REFERENCE_FRAME>         //user input processing parameters

<GNSS>GPS-Only</GNSS>                                       //user input processing parameters

<TROPO_INTERVAL> 7200 </TROPO_INTERVAL>                     //user input processing parameters

<TROPO_MODEL> Piecewise Linear </TROPO_MODEL>                //user input processing parameters
```

Hubs:

<HUBS>	<i>//contains all the hubs to include and constrain – Root Element (opening tag)</i>
<HUB ISID="PLNA">	<i>//station (4 char station ID) to be included as a HUB - start tag</i>
PLNA	
<FIX>3-D</FIX>	<i>// constrain the HUB</i>
</HUB>	<i>//station (4 char station ID) to be included as a HUB - end tag</i>
<HUB ISID="BURN">	<i>//station (4 char station ID) to be included as a HUB – start tag</i>
BURN	
<FIX>NONE</FIX>	<i>//do not constrain the HUB</i>
</HUB>	<i>//station (4 char station ID) to be included as a HUB – end tag</i>
</HUBS>	<i>//contains all the hubs to include and constrain – Root Element (closing tag)</i>