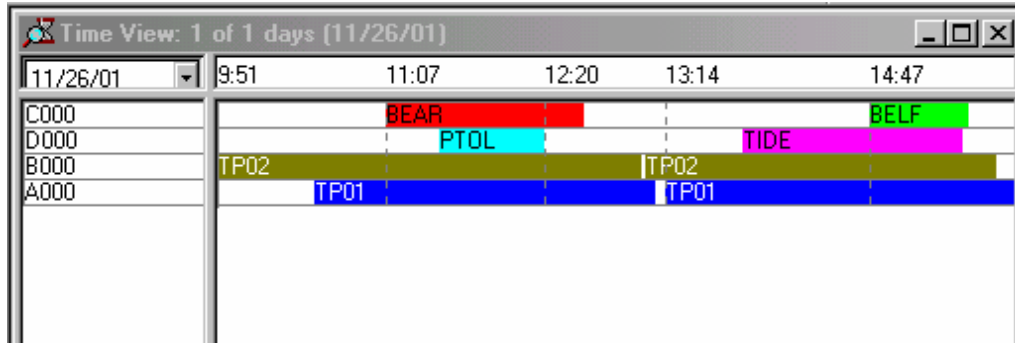


## Adding the ProMark2 Antenna into Ashtech Solutions 2.x

Because the ProMark2's antenna had not yet officially been tested by FGCS when version 2.5 was released, the antenna parameters are not in the program. Here is an easy way to add them in:

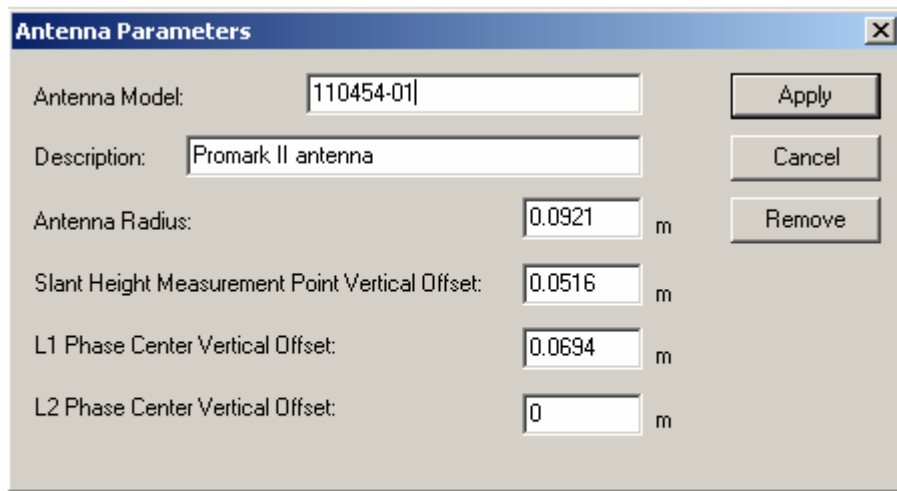
(1) Open your Project in Solutions, and find the **Time View Window** (View, Time View):



(2) LEFT double click on any observation, in this case, the red one called BEAR. This brings up a box called **Observation Properties**:

The screenshot shows the 'Observation Properties - BEAR' dialog box. The 'General' tab is selected. The 'Site ID' is 'BEAR' and the 'Raw Data File Name' is 'BC000A01.330'. The 'Antenna Parameters' section includes 'Antenna Height (USft): 5.509', 'Height Type: Slant', and 'Antenna Type: Unknown'. The 'Observation Type' section has 'Static' selected. The 'Observation Times' section shows 'Start Time: 11 : 7 : 40' and 'End Time: 12 : 37 : 30'. The 'Antenna Type: Unknown' section has a small box with three dots next to it.

(3) To the right of the **Antenna Type: Unknown** section is a small box with three dots, please LEFT click on that box, which will bring up a box called Antenna Parameters:



The image shows a software dialog box titled "Antenna Parameters". It contains several input fields and three buttons. The "Antenna Model" field is filled with "110454-01". The "Description" field is filled with "Promark II antenna". The "Antenna Radius" field is filled with "0.0921" and has a unit "m" next to it. The "Slant Height Measurement Point Vertical Offset" field is filled with "0.0516" and has a unit "m" next to it. The "L1 Phase Center Vertical Offset" field is filled with "0.0694" and has a unit "m" next to it. The "L2 Phase Center Vertical Offset" field is filled with "0" and has a unit "m" next to it. The buttons are "Apply", "Cancel", and "Remove".

Parameter	Value	Unit
Antenna Model	110454-01	
Description	Promark II antenna	
Antenna Radius	0.0921	m
Slant Height Measurement Point Vertical Offset	0.0516	m
L1 Phase Center Vertical Offset	0.0694	m
L2 Phase Center Vertical Offset	0	m

(4) Fill in the Box as shown, and click the Apply key, this will create a new antenna type for the ProMark2.

(5) Next, LEFT double click on **all the remaining observations** in the Time View Window. Make sure the **Promark II antenna** has been selected, and that the antenna **height types** and **height values** are absolutely correct.