

Argon Tracking API

New Tracking APIs

“ARMarker” Event

```
document.addEventListener('ARMarker', function(event){trackerEventHandler(event);});
```

```
function trackerEventHandler(markerEvent) {  
    var kmlObjectId      = markerEvent.id;           // KML Object ID, only works if you have set id attribute of your tracker element  
    var markerId         = markerEvent.info.visibleId; // The Marker ID (number)  
    var markerVisibility = markerEvent.info.visible; // 1 or 0 indicating On or Off  
  
    var markerPositionX = markerEvent.position.altitude;  
    var markerPositionY = markerEvent.position.longitude;  
    var markerPositionZ = markerEvent.position.latitude;  
  
    var markerHeading= markerEvent.orientation.heading;  
    var markerTilt    = markerEvent.orientation.tilt;  
    var markerRoll    = markerEvent.orientation.roll;  
}
```

New Tracking APIs

Tracking Callback

- Define a function on the document object called "onTrackedFrame".
- Argon will call this when there is new marker tracking data

```
document.onTrackedFrame = function (markerEvent) {  
    var kmllid          = markerEvent.id;           // KML Object ID, only works if you have set id attribute of your tracker element  
    var markerId        = markerEvent.info.visibleId; // The Marker ID (markerID attribute of the Tracker element)  
    var markerVisibility = markerEvent.info.visible; // 1 or 0 indicating On or Off  
  
    var markerPositionX = markerEvent.position.altitude;  
    var markerPositionY = markerEvent.position.longitude;  
    var markerPositionZ = markerEvent.position.latitude;  
  
    var markerHeading = markerEvent.orientation.heading;  
    var markerTilt     = markerEvent.orientation.tilt;  
    var markerRoll     = markerEvent.orientation.roll;  
  
    var myDiv = document.getElementById('my_div');  
    // do something with the marker data  
    if (markerVisibility == 1)  
        myDiv.style.opacity = 1;  
    else  
        myDiv.style.opacity = 0;  
};
```