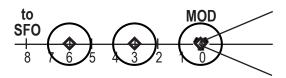
### **User Guide for the ATC Simulator**



### Your Goal



Line up the planes at MOD using route or speed change so that:

- the planes are 3 nautical miles apart
- the last plane arrives as soon as possible
- before MOD, the planes are never closer than 2 miles.

### What can you do with the Simulator?

In the Simulator you can:

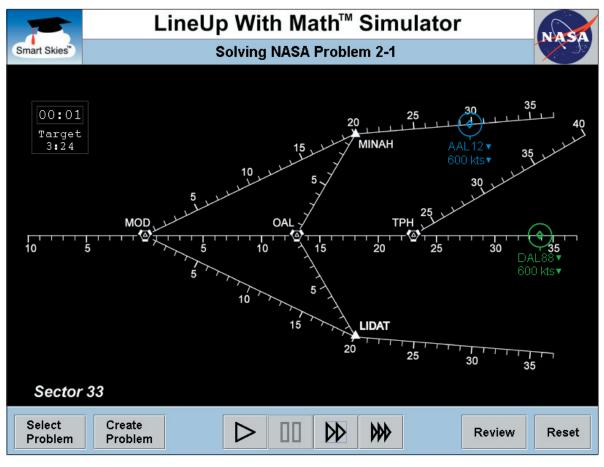
- Choose and Solve a NASA problem
- Replay your solution
- Create your own problem

When you first open the Simulator, you are ready to solve Problem 2-1, the simplest 2-plane problem



You can select and solve a problem from about 40 existing NASA problems.

Or you can solve problems that you create.



October 25, 2006



**Review your Solution** 

You can playback your solution to any problem that you are currently working on.



You can create your own problems.

To save problems that you create, you must use the "SAVE" version of the simulator.

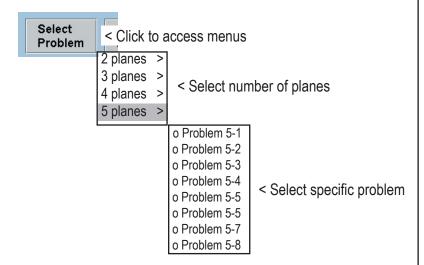


## **Getting Started**

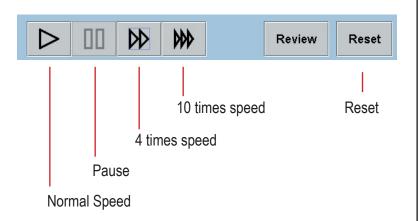




### **How to Select a Problem**



## 2 How to Run the Problem



# 4

### **How to Change Plane Route or Speed**

You can change a plane's route or speed to change the spacing of planes. You can change a plane's route or speed while the problem is running or paused.

## Plane's datatag



- > Use the plane's datatag to make the changes.
- > Click and drag to move the datatag

#### View a plane's planned route

- > Click the plane's call sign to see the route menu
- > Click Show Route

(If the simulator is Paused, the route will also show markers for where the plane will be in 1, 2, and 3 minutes)

### Change a plane's route

- > Click the plane's call sign to see the route menu
- > Click the new route

(The route will be highlighted for 15 seconds.)

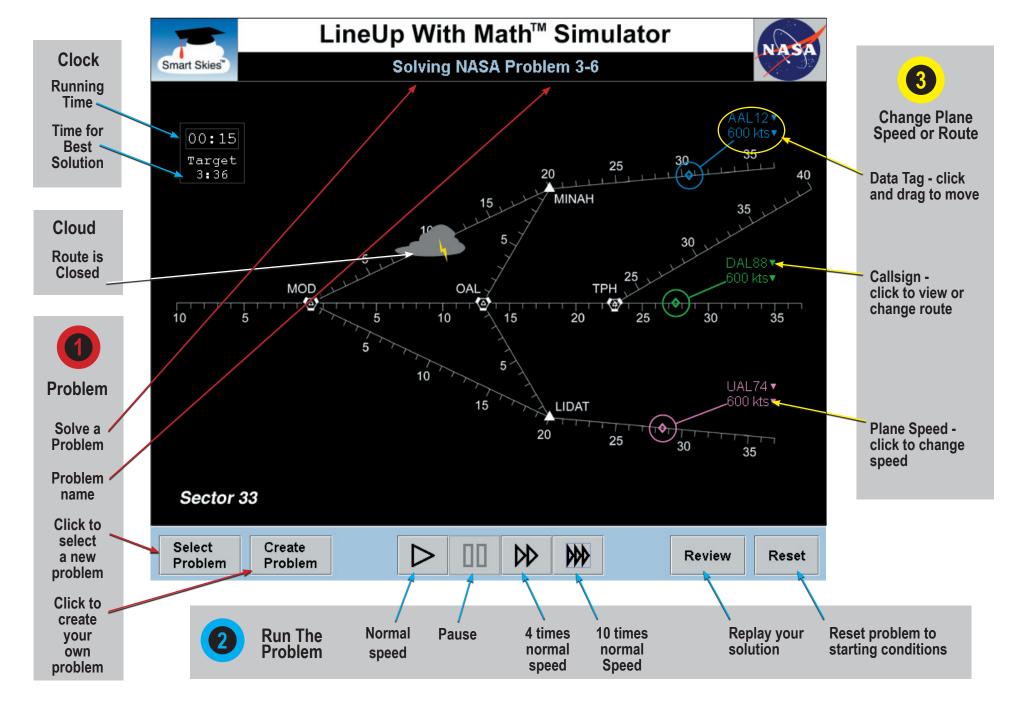
#### Change a plane's speed

- > Click the plane's speed to see the speed menu
- > Click the new speed

(If the simulator is Paused, the new speed will not show until the simulator is running.)

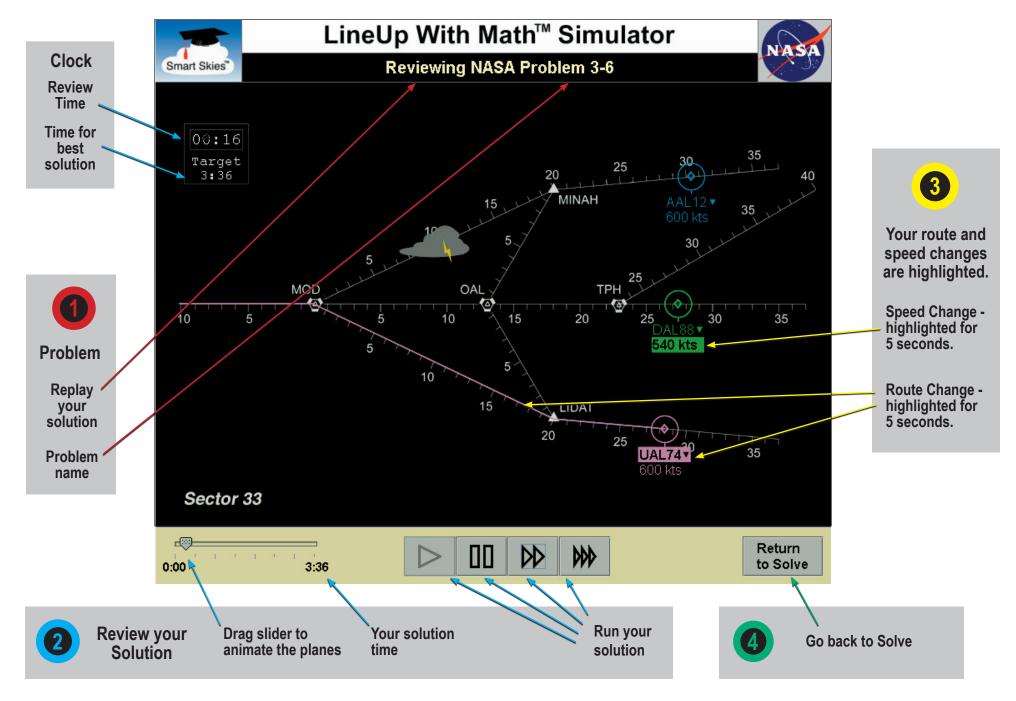
## **Solve a Problem**





## **Review a Problem**





## **Create a New Problem or Modify an Existing Problem**



