





#### Trajectoires de départ et d'arrivée ULM à Toulouse Lasbordes

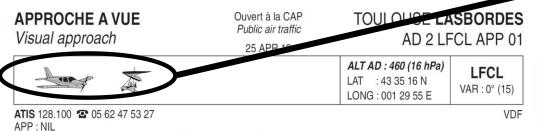
14ème séminaire du pilote privé Avion et ULM

Présenté par Michel Dalisson

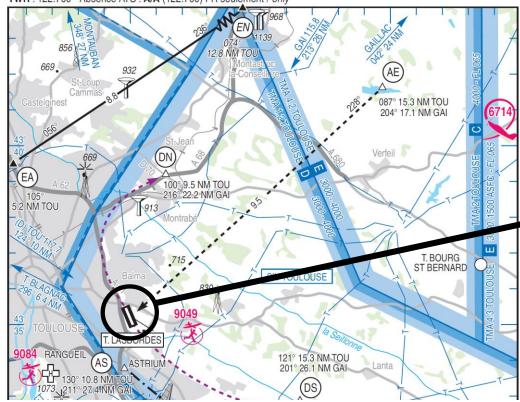


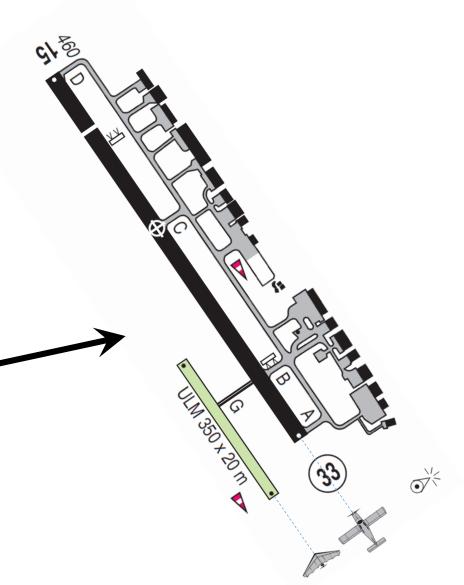
#### Coexistence des activités ULM / Avion





TWR: 122.700 - Absence ATS: A/A (122.700) FR seulement / only







#### Les 6 classes d'ULM

**Classe 1 - Paramoteur** 



**Classe 2 - Pendulaire** 



**Classe 3 - Multiaxe** 



Classe 4 – Autogyre



**Classe 5 - Aerostat** 



Classe 6 - Helicoptère





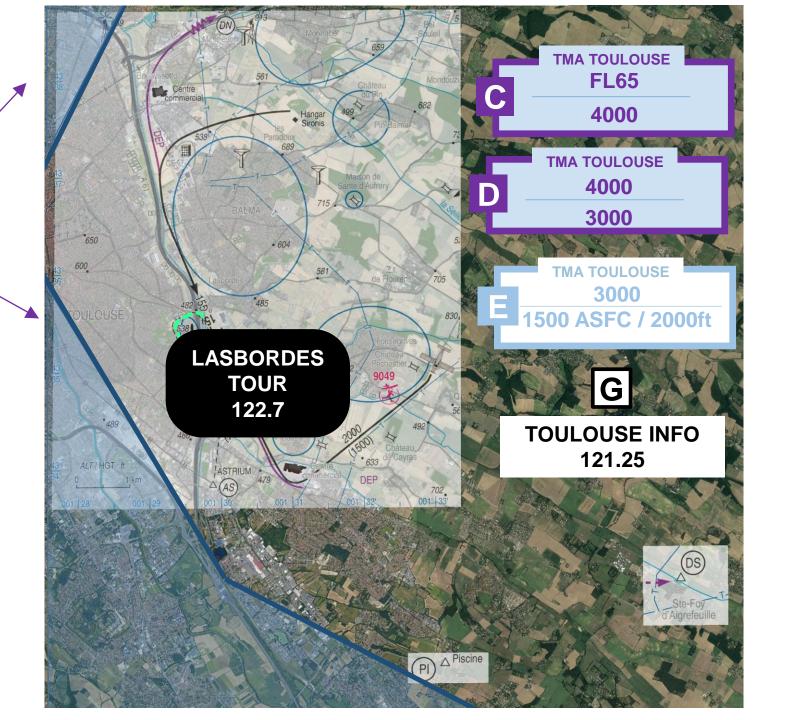
#### Espace aérien





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2000 118.1





#### **Points ULM**



# AStrium (Airbus Defence & Space)

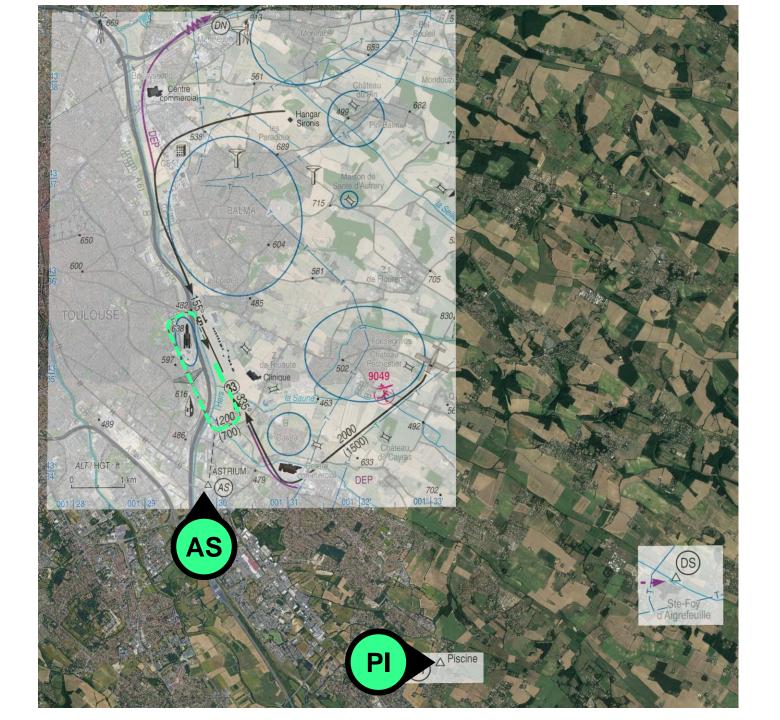




#### Plscine de St Orens



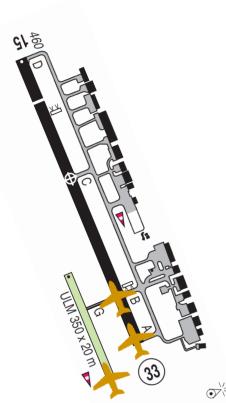


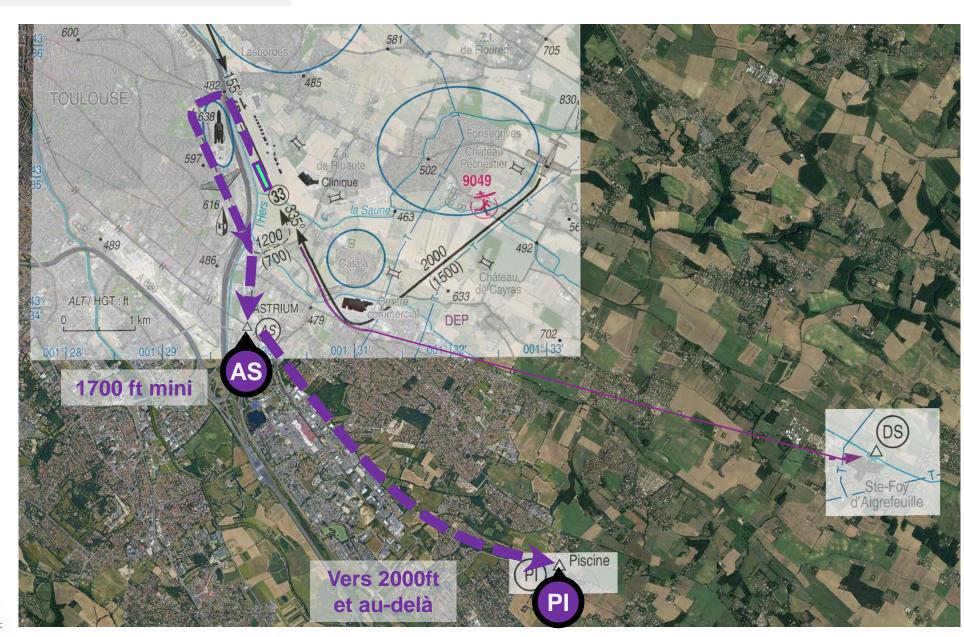




# Trajectoires de départ ULM



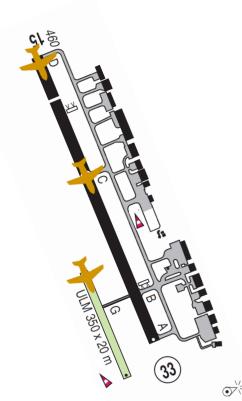


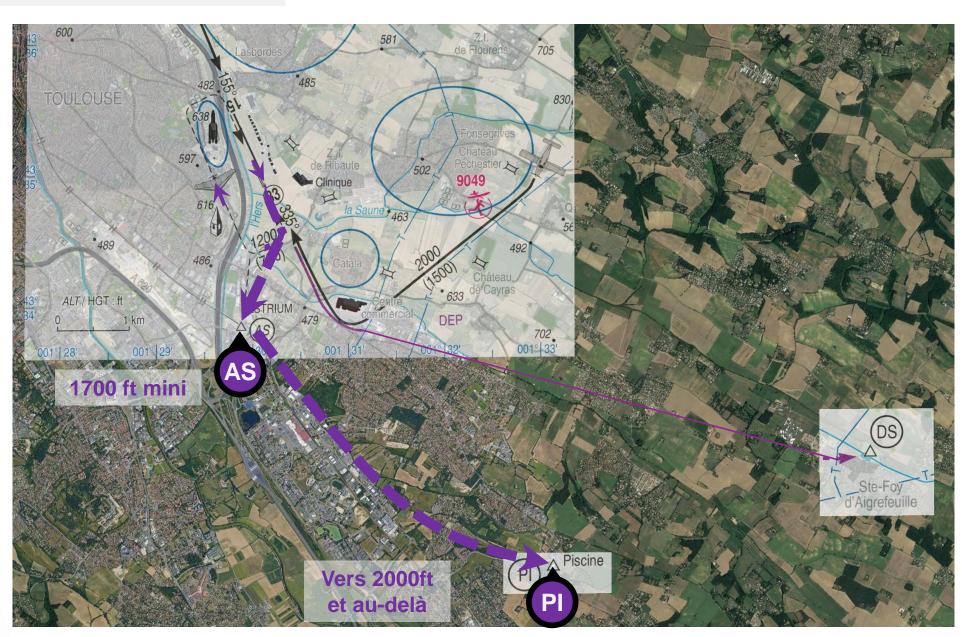




### Trajectoires de départ ULM





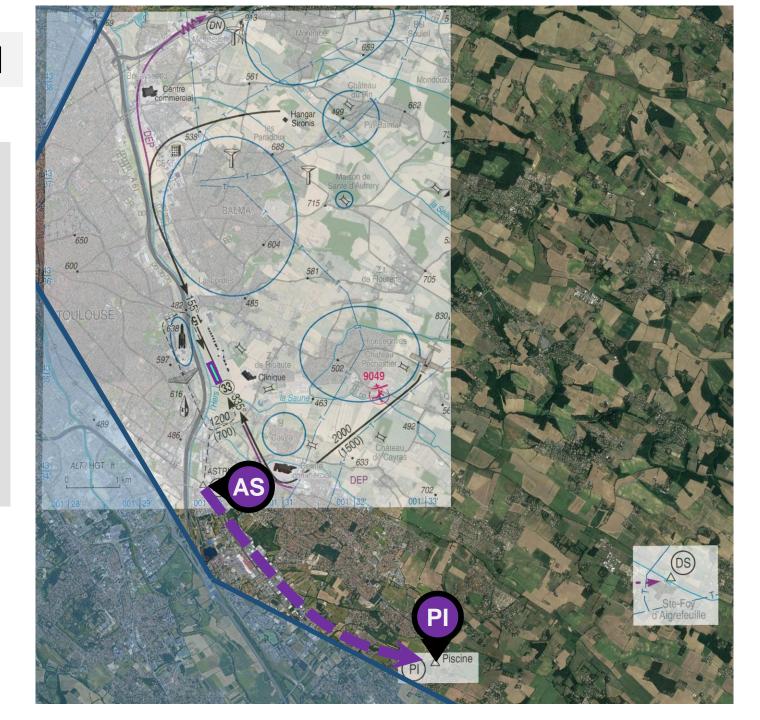


# Trajectoires de départ ULM



Après avoir été autorisé à quitter : veille radio recommandée jusqu'à PI (voire jusqu'à AE pour les départs vers le nord)

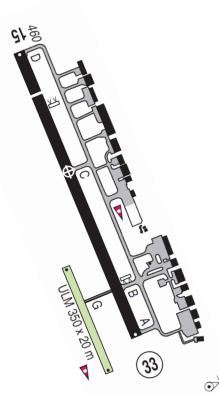
À discrétion du commandant de bord

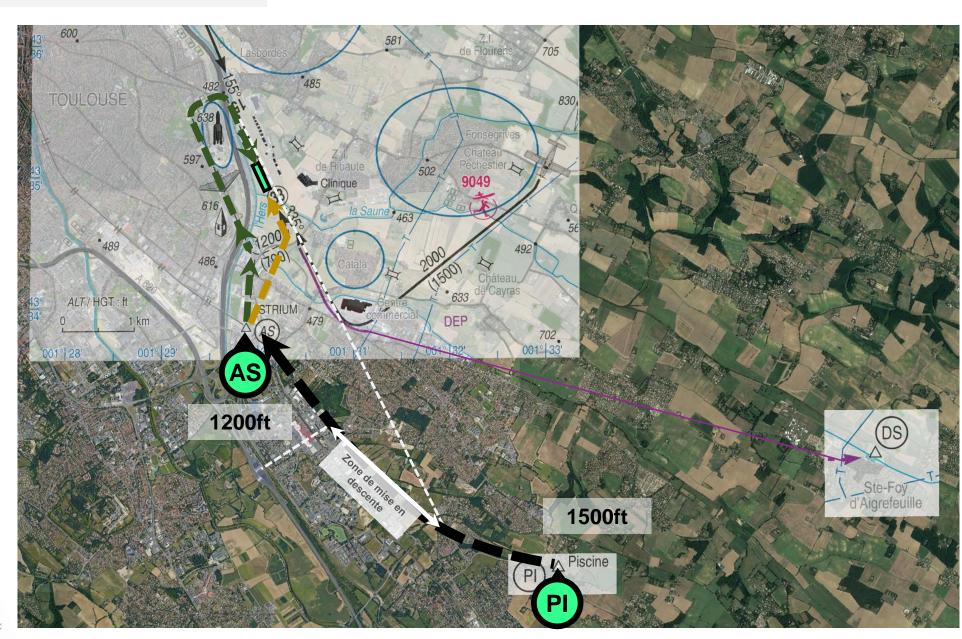






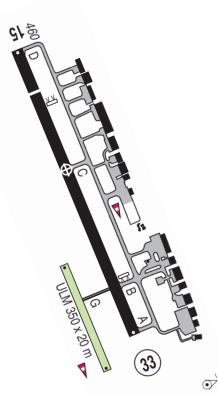


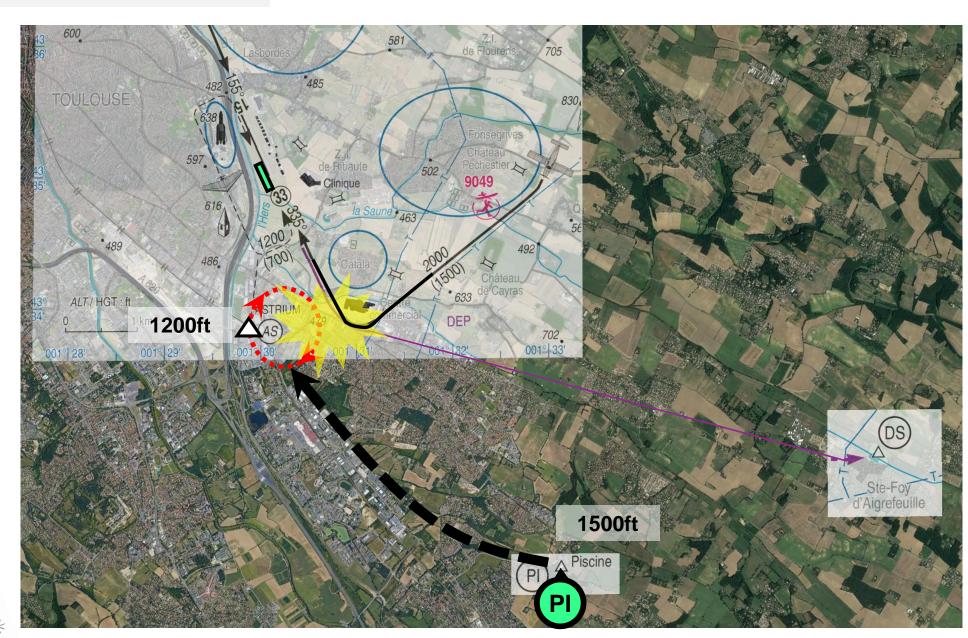






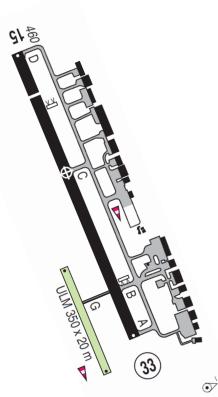


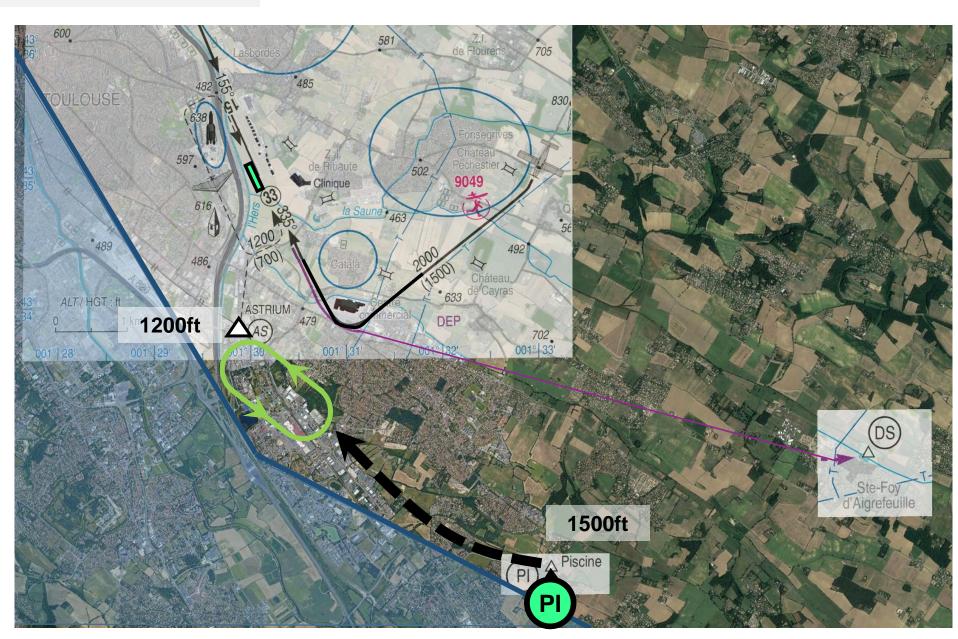






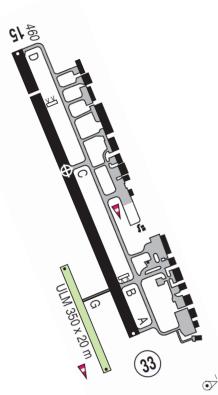


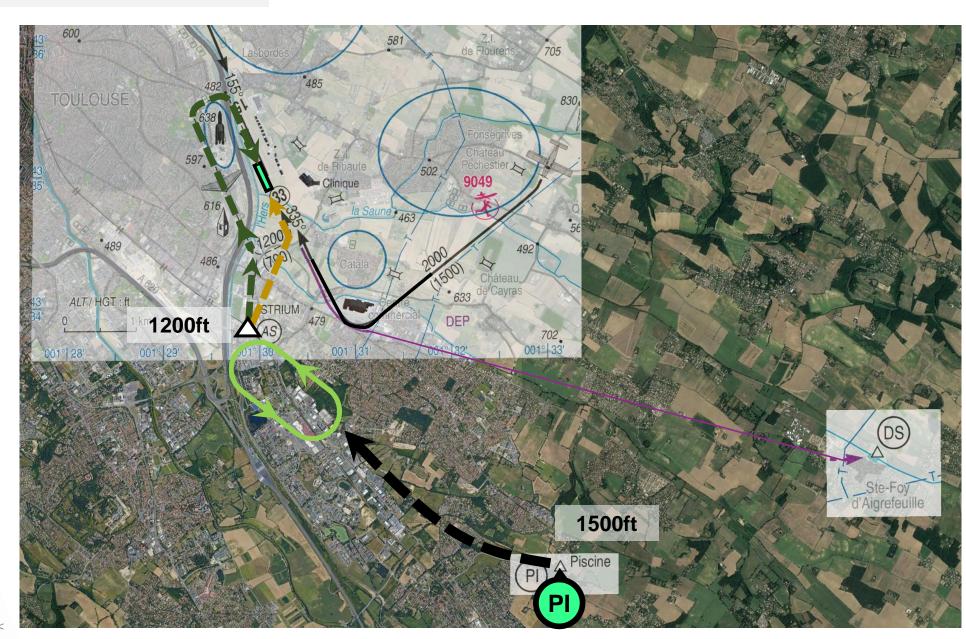








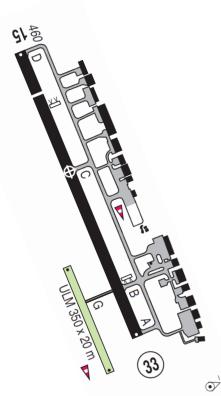


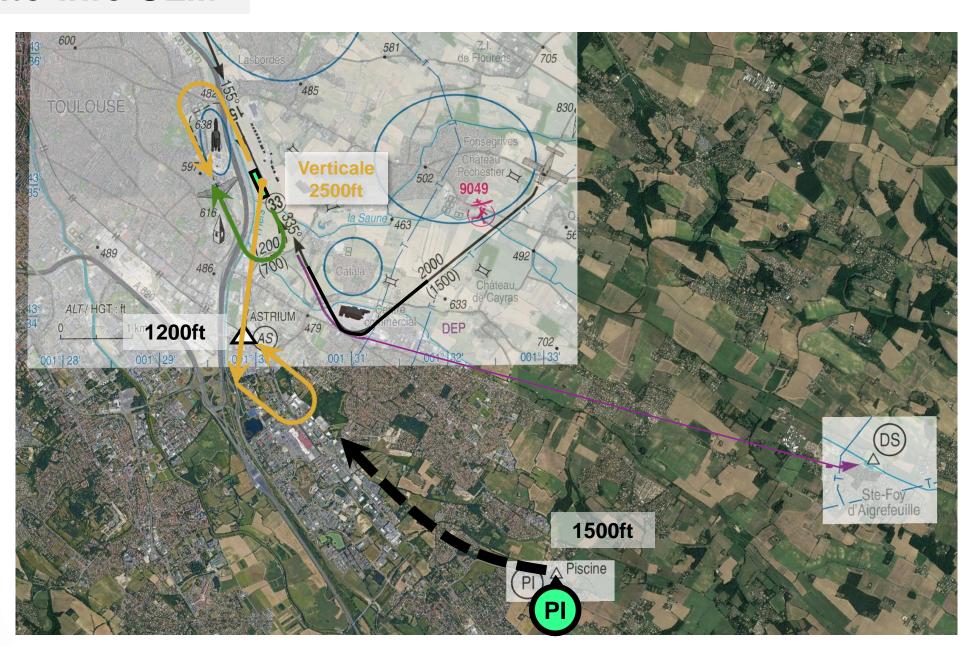




#### Arrivée en auto-info ULM



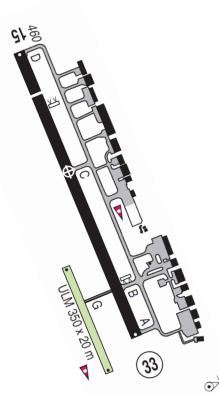


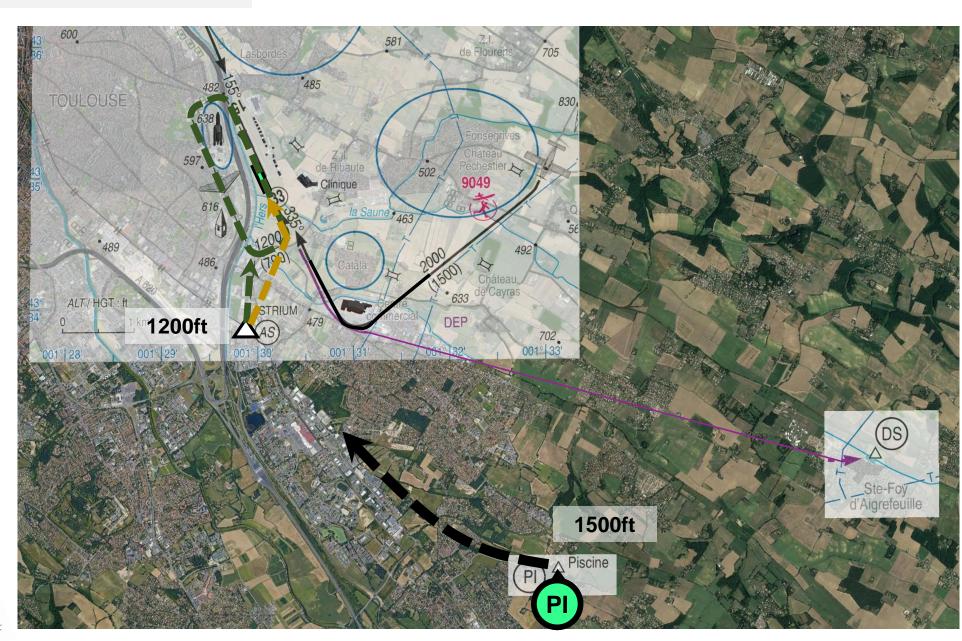




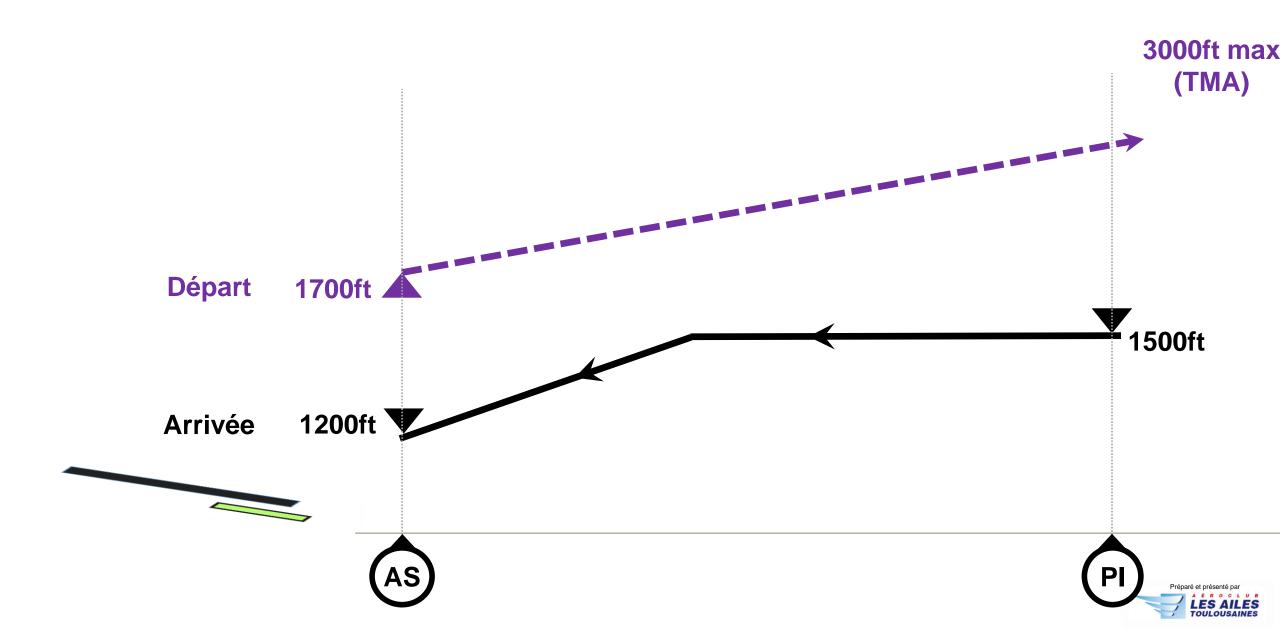
#### Arrivée en auto-info ULM



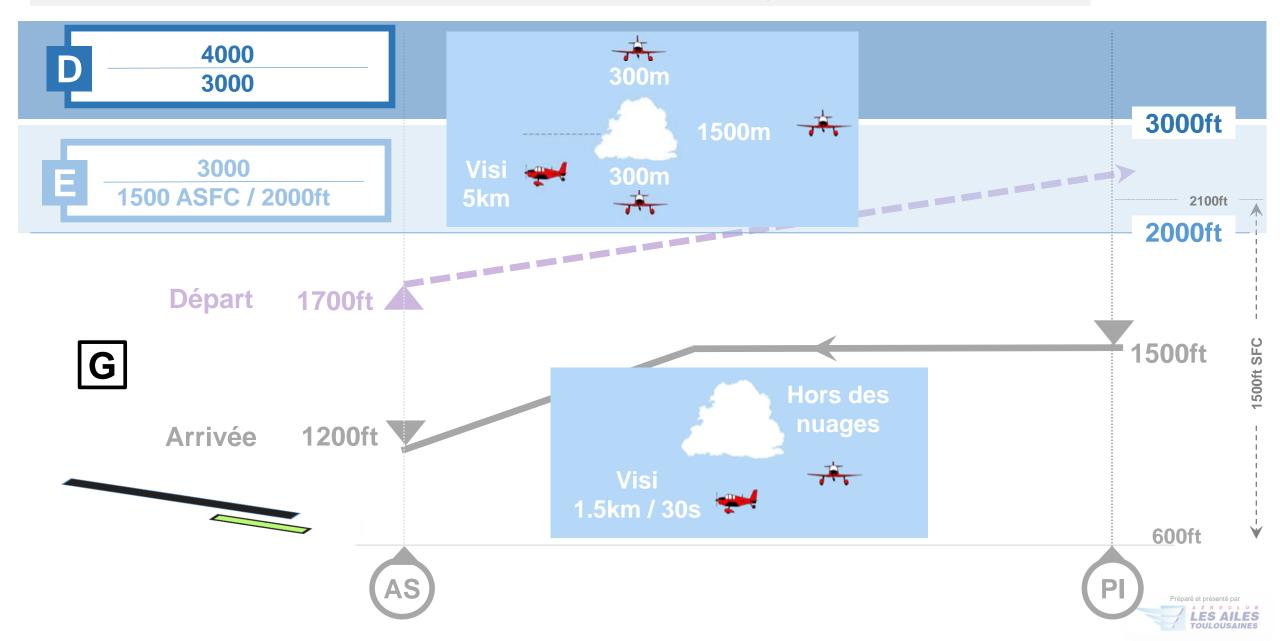




# Coupe verticale - Principe de séparation départ / arrivée ULM

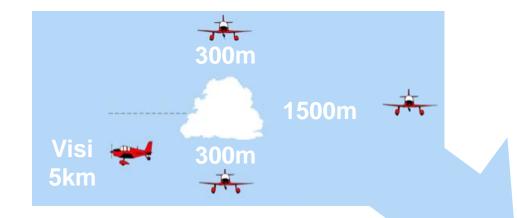


# Coupe verticale - Espaces aériens vs trajectoires ULM



# Espaces aériens









#### Remerciements

A l'équipe des contrôleurs pour leur efficacité A l'ACAT et à l'ENAC pour l'organisation de ce séminaire A Aymeric Perrin pour son expertise et sa maitrise de l'outil...









