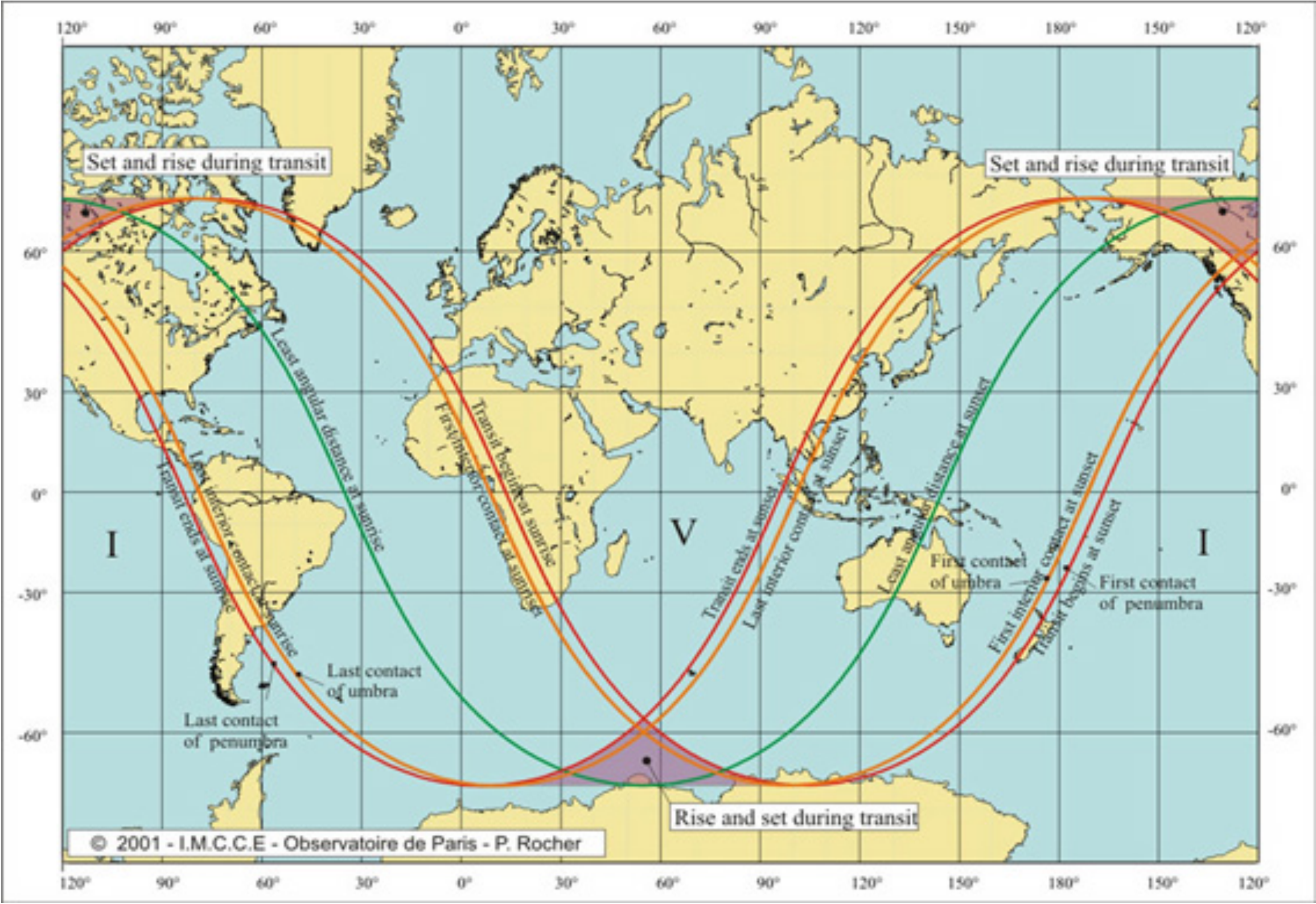

Set and rise during transit
Set and rise during transit
Least angular distance at sunrise
Transit begins at sunrise
First contact of umbra at sunrise
Transit ends at sunrise
Last interior contact at sunrise
Last angular distance at sunset
Transit ends at sunset
Last interior contact at sunset
First contact of umbra
First contact of penumbra
First interior contact at sunset
Transit begins at sunset
Last contact of umbra
Last contact of penumbra
Rise and set during transit
I
V
I
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