

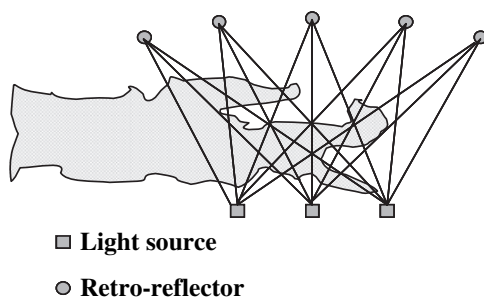
1. Long-Path DOAS (LP-DOAS)



2. Vertical Profiling LP-DOAS Reflectors



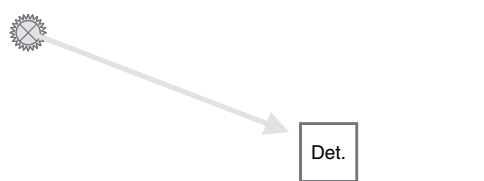
3. Tomographic DOAS



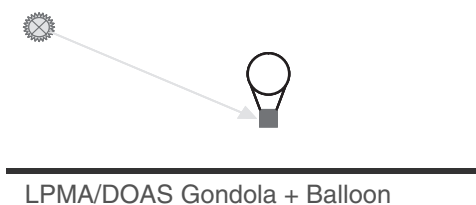
4. Folded-Path DOAS



5. Direct Sunlight DOAS



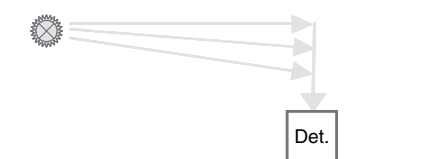
6. Balloon-borne (direct sunlight) DOAS



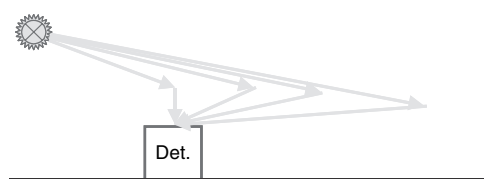
7. Satellite-borne DOAS - Occultation



8. Zenith Scattered Light (ZSL-DOAS)



9. Multi-Axis DOAS (MAX-DOAS)



10. Airborne Multi-Axis DOAS (AMAX-DOAS)

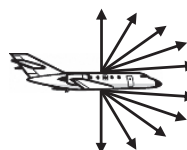


Fig. 6.4. The DOAS principle can be applied in a wide variety of light path arrangements and observation modes using artificial (1–4) as well as natural direct (5–7) or scattered (8–14) light sources. Measurements can be done from the ground, balloons, aircrafts, and from space