

Observation of Land Transport Vehicles From Satellite

Seyit Ali YILMAZ, Turkey

Keywords: Remote sensing, transportation vehicles

SUMMARY

To observe the motorways from a central point by satellite will give information about the cruising of the traffic after the evaluation of the data collected from these observations as well as serried ways will be opened by using alternative ways and narrowed traffic will be facilitated.

To observe the cruising of land transport vehicles by the help of satellite is very advantageous in terms of not giving additional responsibilities for traffic companions as well as making it easy for them.

If we put these advantages in order:

1. It facilitates the traffic,
2. It provides the use of all motorways as well as alternative ones with full capacity,
3. It significantly prevents traffic accidents,
4. Instant intervention to accidents,
5. It helps in first aid and urgent rescue,
6. It significantly contributes to national asset.

SUMMARY: KARA NAKİL VASITALARININ UYDUDAN İZLENMESİ

Merkez olarak seçilecek bir yerden Karayollarını uydular vasıtasıyla gözlemlemek , bu gözlemlerden toplanan veriler değerlendirilip trafiğin seyri , ulaşımın alternatif yollar da kullanılıp çok sıkışık olan yollar açılabilir ve daralan trafik rahatlatılabilecektir .

Kara Nakil Vasıtalarının seyrini uydudan yapılan gözlemler yardımıyla izlemek Trafik Mensupları'na ek yük getirmemekle birlikte işlerini kolaylaştırışı açısından oldukça avantajlıdır.

Bu avantajları maddeler halinde sıralarsak :

1. Trafiği rahatlatır
2. Alternatif yollarla birlikte mevcut yolların tam kapasiteli kullanılması sağlanır
3. Trafik Kazalarını önemli ölçüde engeller
4. Kazalara anında müdahale edilebilir
5. İlk yardım ve acil kurtarmada yardımcı olur
6. Milli servete önemli ölçüde katkıda bulunur.

Observation of Land Transport Vehicles From Satellite

Seyit Ali YILMAZ, Turkey

1. OBSERVATION OF LAND TRANSPORT VEHICLES FROM SATELLITE

Land Transport Vehicles nowadays form 85% of our arrival. In other words, the most important part of all traffic (land, marine, air, railway, etc.) is ensured with land transport and this also displays a wry distribution.

To observe the motorways from a central point by satellite will give information about the cruising of the traffic after the evaluation of the data collected from these observations as well as serried ways will be opened by using alternative ways and narrowed traffic will be facilitated.

To observe the cruising of land transport vehicles by the help of satellite is very advantageous in terms of not giving additional responsibilities for traffic companions as well as making it easy for them.

If we put these advantages in order:

1.1

- It facilitates the traffic,
- It provides the use of all motorways as well as alternative ones with full capacity,
- It significantly prevents traffic accidents,
- Instant intervention to accidents,
- It helps in first aid and urgent rescue,
- It significantly contributes to national asset.

1.2.1 It Facilitates the Traffic

In city traffic:

In rush hours of the day (e.g., going work and coming back from work; going school and coming back from school), the traffic gets jammed and there occurs an important problem. In order to overcome this problem, the factors that cause this jam should be intervened. Watching the cruising of the traffic by satellites, instant intervention can be done and its results can be observed instantly. This helps the relaxation of jammed traffic.

Intercity traffic:

Traffic jams during important days such as festivals, holidays, etc. can be solved immediately.

1.2.2 Using Alternative Motorways

If there is an alternative motorway for the jammed traffic on special days, it can be provided to use that way. To use the alternative motorway by satellite might have an advantage as follows: the motorway estimated to get jammed might not get jammed and instead of it,

another main road can get jammed. Here, the motorways observed by satellite can eliminate this estimated but unrealized situation and will make it easy for the other way.

1.2.3 It Significantly Prevents Traffic Accidents

Contravention of the rules, faults of drivers as well as deficiency of the available motorways and not observing them perfectly and correctly are the main reasons for the occurrence of these traffic accidents. A traffic administration observed by satellites both facilitates the work of police station companions and provides a correct and fast decision for them with the information they will get by observing from the satellite.

1.2.4 Instant Intervention for Accidents

An accident occurred in the cruising of the traffic continuously under observation from a single station will be reported to the nearest police team so this will facilitate the direction of teams to that place and ambulance can be sent. Going of ambulance to the accident place will be facilitated by notifying the teams on the way to the accident.

The ambulance will learn from the center that how and where it will take the people struck by the accident and accordingly the available motorway to the hospital will become relaxed.

All these actions may be done without observing by the satellites but the most important advantage of the satellite is that satellite observations might facilitate all these organizations easily and will conduct the communication.

1.2.5 First Aid and Urgent Rescue (Emergency)

In case of correct and regular first aid, it actually saves people. Since every event can be observed by the satellite, the place of accident, the nearest health house, hospitals, etc. and opening of the motorway or quick reaching of the traffic teams to the place of accident will be effective in first aid and life rescue.

1.2.6 Its Contribution for National Asset

As a result of observations by the satellite, significant decrease in traffic accidents and using the motorways regularly have a significant contribution for national asset. The loss of goods as well as loss of lives can also be prevented.

In view of all these favorable factors, “Observation Of Land Transport Vehicles From Satellite” might be the only science section nowadays that all of us is interested in. for this reason, observing and administration of traffic by satellite observations should be applied immediately and even if its high cost in a short period of time, this subject should be taken into consideration carefully since it’s a profitable investment for average and long period of time

REFERENCES

- Latif,M.A., Oceanographic Characteristic of the Region Surrounding the Northern Entrance of the Bosphorus as related to the Planned Sewage Outfalls, Final Report METU,Inst.of Marine Science,1989
- Welch,R., Remote Sensing for Water pollution Control, Photogrammetric Eng., Vol.37,pp. 1285-1286,1971.

BIOGRAPHICAL NOTES

I'm working in Selcuk University Kadinhani Post Secondary Vocational School.
I'm doing Dokorate the same University lesson functional grade and interested Photogrametrie and Remote Sensing. I'm 37 years old now. I'm Married have 2 son's.

CONTACTS

Seyit Ali Yilmaz
Selcuk University Kadinhani Meslek Yüksek Okulu Öğretim Görevlisi Kadınani
Konya
TURKEY
Tel. +90 332 834 03 06
Fax: + 90332 834 03 05
Email: seyit@selcuk.edu.tr seyitaliyilmaz@hotmail.com