



INTERNATIONAL
BEARDED VULTURE
MONITORING

3rd Alpine Bearded Vulture Observation Days

October 11th-12th 2008

(October 10th-19th 2008)

Preliminary Results

A co-operation within the International Bearded vulture Monitoring (IBM) Program
Dr. Richard Zink



**Hohe Tauern National Park / Owl- and Raptor Centre Haringsee
&**

The project partner:

Parc Nationale du Mercantour

Parco Naturale Alpi Marittime

Parc National les Ecrins

Parc National de la Vanoise

Parco Nazionale Gran Paradiso & Provincia Autonoma Valle d'Aosta

A.S.T.E.R.S.

Parco Nazionale dello Stelvio/NP Stilfserjoch

Stiftung Pro Bartgeier

Provincia Autonoma di Trento – Servizio Foreste e Fauna

Scientifically and technically managed by the **Vulture Conservation Foundation (BVCF & FCBV)** and supervised by **ALPARC**

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1 Introduction

In October 2008 the Bearded Vulture network organised the “Alpine Bearded Vulture Observation Days” for the third time. After rather difficult weather conditions during the last count in 2007, the date was shifted from November to mid October for the census. Fortunately the weather has been favourable that time as can be seen in the figure 1. Under these circumstances the Alpine census has lead to extraordinary results. A maximum of observers could be mobilised and a new maximum of birds could be counted within a very short time window of less than 36 hours. Moreover new couples have been identified in each of the four participating countries (A, CH, F, I).

However, for the future we need to improve the management of the census. There are considerable monitoring gaps (e.g. central Switzerland, north-eastern Italy and some parts of Austria) still. The style of data transmitted to the IBM absolutely needs to be standardised.

2 Methods and Data

The aim of the “Alpine Bearded Vulture Observation Days” is to get kind of an index for the Alpine population size. A huge number of observers (scattered all over the Alps during a short time window) is necessary for a large scale census. In total an area of approximately 188.000km² has been covered this year with a minimum of 426 monitoring sites (see below).

The month of October is well suited for the locating of new territories. Nest building, copulations, synchronous flights etc. can be observed best during that time. This year the weather conditions (e.g. air pressure) improved continuously during September. However, the last days of September have been characterized by instable weather conditions and the air pressure dropped significantly. From 3rd to 10th of October the air pressure reached a new maximum which was the basis for much sun shine and generally for stable weather conditions during the weekend of 11th to 12th October.

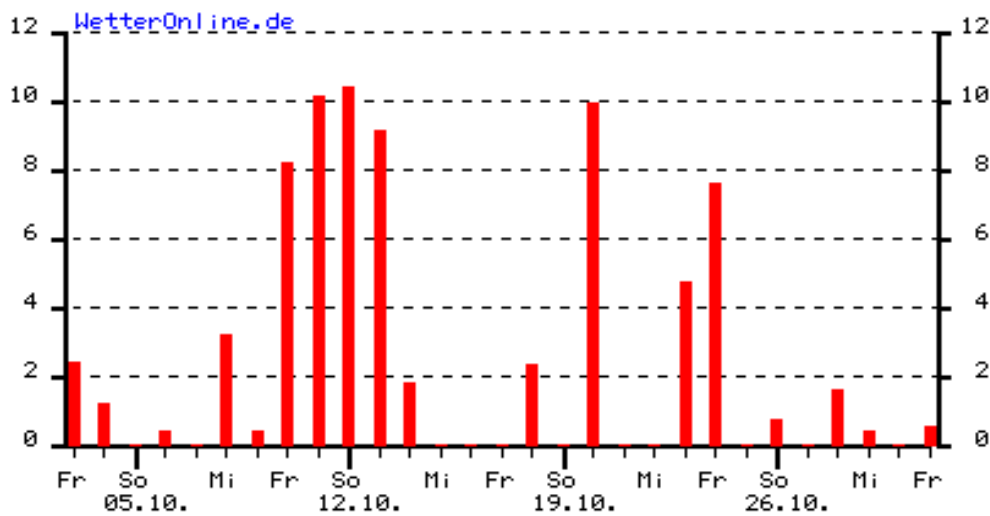


Figure 1: Duration of sunshine (hrs.) in Europe in October 2008 (Source www.wetteronline.de).

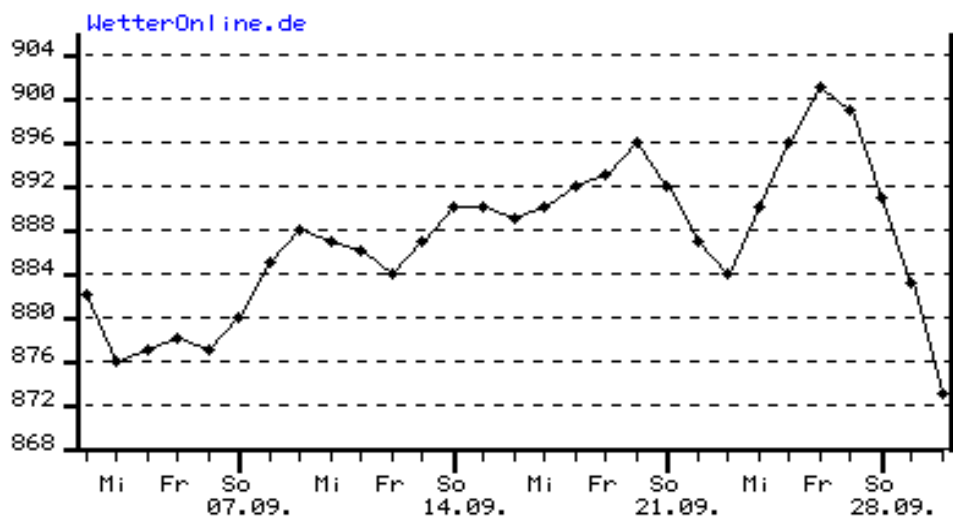


Figure 2: Air pressure (hPa) in Europe in September 2008 (Source www.wetteronline.de).

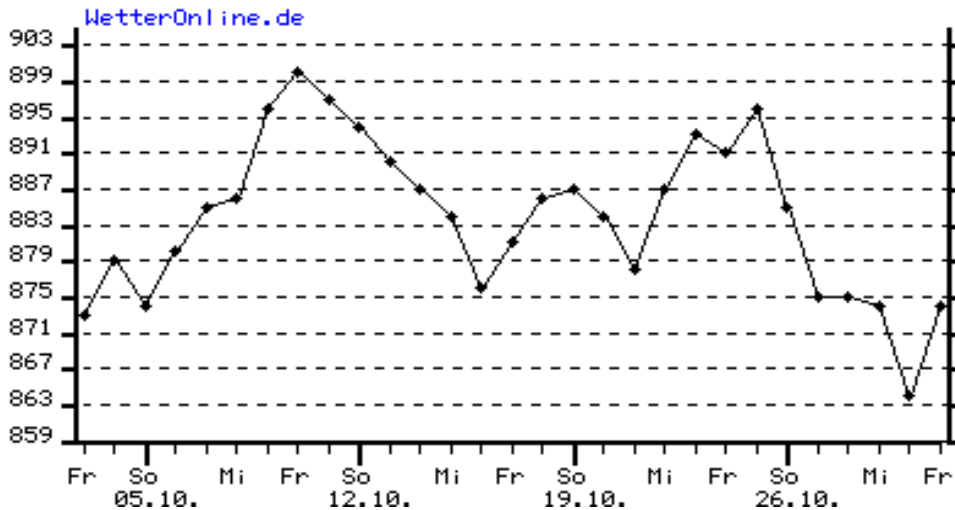


Figure 3: Air pressure (hPa) in Europe in October 2008 (Source www.wetteronline.de).

A short review on the European weather conditions in September and October of the years 2005-2007 (see www.wetteronline.de) showed that the first half of October obviously is most suitable for simultaneous monitoring efforts all over the Alps. It is recommended to choose this period again for the next count in the year 2009 (**10th-11th of October 2009!**).

Since Bearded vultures (especially juvenile and immature birds) tend to shift their habitation rather quickly, the time window was chosen as short as possible to avoid double counts. Only observations made in the core time have been used to evaluate the maximum number of birds.

Table 1 Time window for the simultaneous alpine Bearded vulture count 2008

| Period | Date(s) |
|---------------|--|
| Puffer time 1 | 10 th October 2008 |
| Core time | 11 th -12 th October 2008 |
| Puffer time 2 | 13 th -19 th of October 2008 |

Thanks to the coordination of local administrators the synchronous counts were planned in detail on the local/regional level. In total a minimum of 450 observation sites could be covered during 11th and 19th of October (426 in the core time). A considerable number of people (compare Annex) went into the fields to look for the species. Many of them counted also other birds of prey such as Golden Eagles. For the next census it is recommended to collect data of golden eagles as a reference. This would give an even better opportunity to differentiate between areas without Bearded vultures and those with monitoring deficiencies.

Before the census a data sample table was distributed as format presetting (see below).

Table 2 Data presetting for the observations sites/observers

| Team | Person | observation date | local position of observer | | observation period | |
|--------|--------|------------------|----------------------------|---------------------|--------------------|-------|
| | | | Latitude (decimal) | longitude (decimal) | from | to |
| ASTERS | R.Zink | 11.10.2008 | 46,3242164 | 8,1254532 | 08:00 | 18:30 |

Unfortunately with some positive exceptions (e.g. ASTERS) this format was not used at all. The analyses thus have been much more time consuming and several mistakes occurred. E.g. the conversion of coordinates between GMS (e.g. 45°12'34,32") to Decimal Degrees (45,203422) has been done wrong. It took several days to find and some more time to harmonize data again. Tools to convert between different coordinate systems can be ordered in the IBM office.

Table 3 Data presetting for the observations

| Age | ID/Hypothesis | bird presence | | local position of bird | |
|------|---------------|---------------|-------|------------------------|---------------------|
| | | from | to | latitude (decimal) | Longitude (decimal) |
| juv. | mysterybird1 | 12:30 | 12:35 | 46,3242164 | 8,1254532 |

The data collected improved considerably compared with the year 2007 because this year the position of observation sites has been collected for the entire study region. Given the number of observers it is possible to differentiate between observation spots with and without observations. Accordingly it is possible to circumscribe the monitoring area and the monitoring effort. These are essential factors to set up an index (e.g. observers/km²). In average 426 observers covered an area of ~1880000km² on 11th and 12th of October. This is one observation site per 441km² which is an area that can be equated with the approximate home range size of Bearded Vulture couples in the Alps.

To simplify identification and to harmonise age determination an identification booklet (produced by the Natural History Museum of Crete / University of Crete and the Hellenic Ornithological Society) was offered at the IBM homepage at www.gyp-monitoring.com. It is available in German, French and Italian language. On the same homepage the latest update of marking pattern used for juvenile/immature vultures is available.



Figure 4: Clipping from the identification guide.

3 Results

Results collected on the local and regional level have been transferred to the IBM office to fuse them on the Alpine level. This information and additional data stored in the IBM data base have been the basis for the census.

3.1 Distribution of observation sites

As can be seen in the figure below the western Alps have been covered rather dense. In contrary huge parts of central Switzerland, northern Italy and Austria (except the region of Hohe Tauern) could be covered only in lower density. For the future it is recommended to close these gaps of monitoring. Furthermore a co-operation with ornithologists in Slovenia should be envisaged (an article in the main Slovenian ornithological magazine is in preparation).



Figure 5: Distribution of observation sites between 10th and 19th of October (n>450).



Figure 6: Distribution of observation sites between 11th and 12th of October (n>426).

The extension of the observation period did not change the over all distribution pattern of monitoring sites.

3.2 Distribution of birds

The over all distribution patterns of birds is rather similar to the distribution of monitoring sites. Thanks to wide spread monitoring efforts it was possible to differentiate between monitoring gaps and not inhabited space in some parts of the Alps. No birds could be identified even though monitoring intensity has been high for example in parts of Haute-Alpes, Valle d'Aosta, Verbano-Cusio-Ossola and Adamello-Brenta. Missing observations in central Switzerland, north-eastern Italy (e.g. Belluno) and parts of Austria (e.g. Vorarlberg and northern Tyrol) could be also due to low monitoring intensity.



Figure 7: Distribution of observation sites between 10th and 19th of October (n=293).



Figure 8: Distribution of birds between 11th and 12th of October (n=239).

3.3 Proportion of age classes

A rather high proportion of observations could be related to adult birds (usually older than 6 years). The small proportion of sub adult or sub adult/adult birds (4th year and older) can be explained by the rather short sub adult phase. Moreover the identification of sub adult birds is most difficult (e.g. no marks). The proportion of immature and juvenile birds met the expectations. The age of about 5% of the birds could not be identified mostly because of observation conditions have been difficult (see Table 4).

Table 4: Age classes of Bearded Vulture observed between 11th and 12th of October 2008 in the Alps.

| Age | Observations | |
|--------------|--------------|-------------|
| Adult | 147 | 62% |
| sub adult | 21 | 9% |
| immature | 31 | 13% |
| juvenile | 29 | 12% |
| unknown | 11 | 5% |
| Total | 239 | 100% |

3.4 Birds an Population Size

At least 23 different birds (24%) could be identified within 36 hours. This number does not include all territorial birds which had been identified on a genetic basis earlier. The overall proportion of identified individuals can be expected even higher.

Table 5: Birds which were identified in the period of October 11th-12th (n=23)

| date of birth | Name |
|---------------|---------------|
| 1988 | Baltahazar |
| 1989 | Assignat |
| 1989 | Colleen |
| 1993 | Argentera |
| 1995 | Firmin |
| 1996 | Andreas Hofer |
| 1998 | Jackopt 3 |
| 1999 | Veronika |
| 2000 | Mont-Blanc |
| 2000 | Diana-Selvio |
| 2000 | Louis |
| 2002 | Zebra |
| 2004 | Blangiar |
| 2007 | Fontville |
| 2007 | Romaris |
| 2007 | Blick |
| 2008 | Nonno Bob |
| 2008 | Parouart |
| 2008 | Girasole |
| 2008 | MGM |
| 2008 | Luzi-Albula |
| 2008 | Pinzgarus |
| 2008 | Rurese |

A shift of birds (especially immature individuals) can happen in very short time. For example Pinzgarus (release in Austria 2008) covered a distance of 11,5 km in only 5 Minutes on 12th of October. To avoid double counts therefore only data collected on 11th and 12th of October have been used for the census. In this rather short period a total of 239 observed birds have been reported. When it was not possible to differentiate between two birds they were

counted only once. Not surprisingly the highest number of birds was counted in the surrounding of the two well established population nuclei a) Rhône Alpes / Western Switzerland and b) Eastern Switzerland / Lombardia. A summary of all birds observed and their age class can be seen in the Table below.

Table 6: number of birds identified for each region in the period of 11th-12th of October 2008.

| Region | adult | sub adult | immature | juvenile | total |
|-----------------------------|-----------|-----------|-----------|----------|-----------|
| Provence-Alpes Côtes d'Azur | 4 | 2 | 1 | 2 | 9 |
| Piemont | 3 | | | 1 | 4 |
| Rhône-Alpes | 16 | 1 | 4 | 1 | 22 |
| Aosta | 2 | | 1 | | 3 |
| Western Switzerland | 4 | 2 | 9 | 2 | 17 |
| Eastern Switzerland | 9 | | 3 | 1 | 13 |
| Lombardia & Trento Alto | | | | | |
| Adige | 9 | 3 | 2 | | 14 |
| Austria | 5 | 1 | 3 | 2 | 11 |
| Southern Tyrol | | 1 | 1 | | 2 |
| Veneto | | 1 | | | 1 |
| Total | 52 | 11 | 24 | 9 | 96 |

The proportion of unmarked, unidentifiable birds steadily increases in the Alps. A census of all birds (100%) is not possible in the future. The figures thus have to be understood as kind of an index for the population size. This year the monitoring results of the Alpine count are much better than in the past. Whereas the total number counted in the year 2006 was 69 and in the year 2007 it was not possible to get a number at all **this year it is 96 (!)**.

4 Discussion & Outlook

The Alpine Bearded Vulture Observation Days have become an integrated part of the International Bearded Vulture Monitoring. On the one hand it is a tool to raise public awareness and involve the public into monitoring action. On the other hand the results are valuable to identify new territorial birds, differentiate between birds in close neighbourhood and census the population. Counting results strongly correlate with the weather conditions. According to the experiences up to date it has to be recommended to repeat the Alpine Bearded Vulture Observation Day next year in the first half of October. The best date would be **10th-11th of October 2009**. Next time observations of Golden Eagle should be collected as well. They serve as a kind of reference to distinguish between areas without Bearded Vultures and real monitoring gaps.

The value of monitoring would increase if the location of monitoring spots remains the same in the future. Maybe it is even possible to fill identified monitoring gaps with new observation sites in the future. In any case much attention should be drawn to data format presetting (see below). This is essential to avoid mistakes while summing up results on the Alpine scale. Next year the observations of Golden Eagle should be collected and transmitted to the IBM. They could help to distinguish between areas without Bearded vultures and real monitoring gaps.

4.1 Data standards for the next count 2009

Table 7: Suggested minimum data standard for monitoring sites (observation sites) during the Alpine count.

| Latitude | Longitude | Monitoring unit | Team | Observer (s) | date | time from | time until |
|-----------|-----------|-----------------|--------|--------------|------|-----------|------------|
| 48°12'34" | 6°11'42" | ASTERS | 1B | Hans Frey | | | |
| 48,233424 | 6,152143 | STELVIO | Ortler | Enrico Bassi | | | |

Table 8: Suggested minimum data standards for observations during the Alpine count.

| Latitude | Longitude | Age | number of individuals | local ID of individual | Bird ID/Hypothesis | time from | time until | date |
|----------|-----------|-----|-----------------------|------------------------|--------------------|-----------|------------|------|
| | | | | | | | | |

5 Acknowledgment

Special thanks go to the IBM Collecting Centres for their cooperation with IBM and for the organisation of the Alpine census on the local and regional level. From the south-west to the north-east of the Alps special thanks shall go to the following people and institutions:

- Mercantour National Park (Alain Morand, Monique Perfus and Francois Breton)
- Alpi Marittime Nature Park (Luca Giraudo and Laura Martinelli) and the Western Italian Observer Network
- The Observer Network in Hautes-Alpes (Herve Cortot & Christian Couloumy)
- Regione Valle d'Aosta (Christian Chioso, Nicole Vesan)
- Natural Park Mont Avic (Massimo Bocca)
- The Gran Paradiso National Park (Archaz van Hardenberg, Martino Nicolino & Ramona Viterbi)
- The Vanoise National Park (Jean Pierre Martinot, Henri Suret, Jean Francois Dalix, Sandrine Berthillot and Regis Jordana)
- ASTERS (Marie Zimmermann and Etienne Marle)
- The western Swiss Observer Network (Raphael Arlettaz & Francois Biollaz)
- The Stelvio National Park (Enrico Bassi, Hans-Peter Gunsch and Luca Pedrotti)
- The Provincia autonoma di Trento – Servizio Foreste e Fauna (Claudio Groff)
- The Stiftung Pro Bartgeier (Daniel Hegglin) and David Jenny-Mettler
- The Hohe Tauern National Park (Ferdinand Lainer, Gunther Gressmann & Michael Knollseisen)

The Vulture Conservation Foundation (BVCF & FCBV) and ALPARC shall be acknowledged for scientific supervision and for setting the framework of the unique Alpine collaboration. Last but not least thanks to the lead partner for the International Bearded Vulture Monitoring the Hohe Tauern National Park that finances a major part of the IBM since many years. Numerous people participated and supported the Alpine Bearded vulture monitoring event 2008. Many of them could not be mentioned or remained unknown to the IBM office. They should be acknowledged just as much as observers reported to the IBM.

6 Annex

6.1 Google Earth Layer (confidential!)

Google Earth gives us new possibilities to visualise data. With help of that tool the Alpine overview of the population becomes easier. However, due to the use of coordinates also the precise location of e.g. couples is transmitted with the file (sensitive information!). Therefore these files are distributed only to local IBM administrators on request and by email. **They have to be kept confidential!**

6.2 Participants/Observers 2008

Table 9: List of participants/observers reported to the IBM office.

| Team | Observer (s) | date |
|-----------------------------------|---|------------|
| Col de Sosay | Besson Germain | 11.10.2008 |
| Morsullaz | Bidat Matthieu et Molinaro Emilie | 11.10.2008 |
| Montarquis | Hebert Helène et Pierre-Alain Hutter | 11.10.2008 |
| Tete des Annes | Mousse Alain et Marie Paule | 11.10.2008 |
| Pierre Fendue | Bloino David et Amélie | 11.10.2008 |
| Arete des Saix | Mogeny Emile | 11.10.2008 |
| Passage du Saix | Jullien Myriam, Jullien Muriel, Gaillard Christian et Tivillier Laura | 11.10.2008 |
| Vuarde | Fabre Rémi et Casartelli Albert | 11.10.2008 |
| Col de Niard | Annycke Xavier | 11.10.2008 |
| Aravis (V du chatelard) | Vieron Stephane et Picamoles Virginie | 11.10.2008 |
| Aravis (C Curé) | Zimmermann Marie et Wlodarczyk Audrey | 11.10.2008 |
| Col Arpettaz | Mermier Martin et Duc Chantal | 11.10.2008 |
| Col de salenton | Rodrigues Daniel et Dauverné Lise | 11.10.2008 |
| Clos de sales | Kientz Bernard, Gevaux Michèle et Tabardel Françoise | 11.10.2008 |
| ref de grenairon | Mercier Mathias et Charrière pascal | 11.10.2008 |
| Lacs d'Anterne | Heuret Jules et Laurençot Cécile | 11.10.2008 |
| Tete de Moede | Rezer Antoine et Suscillon Murielle | 11.10.2008 |
| Tete de Lassy | Marescaux Fabien et Gay Maxime | 11.10.2008 |
| Derochoir | Delomez Laurent | 11.10.2008 |
| Les Ayères | Robert Mathieu | 11.10.2008 |
| La Tulle (Charvin) | Auzeil Adrien et Thevenot Benoit | 11.10.2008 |
| Tete Nord des Fours | Boisset Antoine et Garcel Geoffrey | 11.10.2008 |
| Pointe Perfia | Anthoine Fabrice | 11.10.2008 |
| Col de Cenize | Genand Bernard et Edith | 11.10.2008 |
| Pointe des Places | Jean François Desmet | 11.10.2008 |
| Nambride | Marlé Etienne | 11.10.2008 |
| Foundation Pro Bearded Vulture | Stefan Blümli | 11.10.2008 |
| Foundation Pro Bearded Vulture | David Jenny | 11.10.2008 |
| Foundation Pro Bearded Vulture | Fabien Kubli | 11.10.2008 |
| Foundation Pro Bearded Vulture | Arturo Plozza | 11.10.2008 |
| Foundation Pro Bearded Vulture | Curdin Florineth | 11.10.2008 |
| Foundation Pro Bearded Vulture | Daniel Godli | 11.10.2008 |
| Foundation Pro | Hans Meili | 11.10.2008 |

| | | |
|--------------------------------|--------------------|------------|
| Bearded Vulture Foundation Pro | Jon Gross | 11.10.2008 |
| Bearded Vulture Foundation Pro | Livio Costa | 11.10.2008 |
| Bearded Vulture Foundation Pro | Yvan Schmidt | 11.10.2008 |
| Bearded Vulture Foundation Pro | Ernst Gemassmer | 11.10.2008 |
| Bearded Vulture Foundation Pro | Andreas Haag | 12.10.2008 |
| Bearded Vulture Foundation Pro | Jürg Cambensy | 12.10.2008 |
| Bearded Vulture Foundation Pro | Michael Hartmann | 12.10.2008 |
| Bearded Vulture Foundation Pro | Katharina Schwab | 12.10.2008 |
| Bearded Vulture Foundation Pro | Livio Costa | 12.10.2008 |
| Bearded Vulture Foundation Pro | Hans Meili | 12.10.2008 |
| Bearded Vulture Foundation Pro | Doris Bertschinger | 12.10.2008 |
| Bearded Vulture Foundation Pro | Elsi Dettli | 12.10.2008 |
| Bearded Vulture Foundation Pro | Arnold Caminada | 13.10.2008 |
| Bearded Vulture Foundation Pro | Bernard Tschopp | 14.10.2008 |
| Bearded Vulture Foundation Pro | Andrina Heinrich | 15.10.2008 |
| Bearded Vulture Foundation Pro | Thomas Wehrli | 15.10.2008 |
| Bearded Vulture Foundation Pro | Thomas Wehrli | 15.10.2008 |
| Bearded Vulture Foundation Pro | Thomas Wehrli | 15.10.2008 |
| Bearded Vulture Foundation Pro | Thomas Wehrli | 15.10.2008 |
| Bearded Vulture Foundation Pro | Doris Bertschinger | 15.10.2008 |
| Bearded Vulture Foundation Pro | Martin Leicht | 16.10.2008 |
| Bearded Vulture Foundation Pro | Jürg Cambensy | 16.10.2008 |
| Bearded Vulture Foundation Pro | Curdin Florineth | 16.10.2008 |
| Bearded Vulture Foundation Pro | Mario Theus | 16.10.2008 |
| Bearded Vulture Foundation Pro | Martin Conzelmann | 17.10.2008 |
| Bearded Vulture Foundation Pro | Reto Bass | 17.10.2008 |
| Bearded Vulture Foundation Pro | Toni Theus | 17.10.2008 |
| Bearded Vulture Foundation Pro | David Jenny | 18.10.2008 |
| Bearded Vulture Foundation Pro | Felix Flachsmann | 18.10.2008 |
| Bearded Vulture Foundation Pro | Guolf Denoth | 18.10.2008 |

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|-----------------------------------|---------------------|------------|
| Foundation Pro Bearded Vulture | Stefano Cavadini | 19.10.2008 |
| Foundation Pro Bearded Vulture | Monika Illien | 19.10.2008 |
| Langtaufers | Ja Joos | 11.10.2008 |
| Planmort | Ja Folie | 11.10.2008 |
| Rojen | Fst Zegg | 11.10.2008 |
| Grauner Alpe | Fst Köllemann | 11.10.2008 |
| Planeil - Ruben | Amt J+F Bliem | 11.10.2008 |
| Matsch – Gonda | Fst Gentelini | 11.10.2008 |
| Schlinig – Kälberberg | Fst Peer | 11.10.2008 |
| Avingatal | Ja Rauner | 11.10.2008 |
| Matsch – Mut | Ja Weisenhorn | 11.10.2008 |
| Schlandraun | Ja Sprenger | 11.10.2008 |
| Gadria | Ja Götsch HJ | 11.10.2008 |
| Schönputz – Vetzaneralpe | Fst Stillebacher | 11.10.2008 |
| Vermoi – Ochsenpichl | Ja Wörnhardt | 11.10.2008 |
| Trumsberg – Stierberg | Ja Telser | 11.10.2008 |
| Tomberg – Zirmtal | Fst Klotz | 11.10.2008 |
| Schnals – Penaud | Fst Rainer | 11.10.2008 |
| Naturns - Dickeralpe | Ja Gerstgrasser | 11.10.2008 |
| Pfossental | Ja Santer | 11.10.2008 |
| Vernagt | Ja Santer | 11.10.2008 |
| Kurzras | Ja Götsch W. | 11.10.2008 |
| Col du Barbier | Pierre LACOSSE | 11.10.2008 |
| Saint-André | Mathieu BEURRIER | 11.10.2008 |
| refuge de la Valette | Karine RENAUD | 11.10.2008 |
| refuge de Plaisance | Alexandre GARNIER | 11.10.2008 |
| cabane du Vallonnet | Caroline EMPEREUR | 11.10.2008 |
| refuge la Martin | Erick LECOCQ | 11.10.2008 |
| Col des Frettes | Sandrine Berthillot | 11.10.2008 |
| Lac de la Plagne | Bénédicte CHOMEZ | 11.10.2008 |
| La Gurraz | Mallorie ? | 11.10.2008 |
| Chapieux | Régis JORDANA | 11.10.2008 |
| Col Croix du Bonhomme | Mickaël DELORME | 11.10.2008 |
| Vallon de Bellaval | M-L ULLIEL | 11.10.2008 |
| Refuge Robert Blanc | Annie FERBAYRE | 11.10.2008 |
| Col de la Seigne | Christian BALAIS | 11.10.2008 |
| La Daille | Mylène Herrmann | 11.10.2008 |
| Sassière | Thierry ARSAC | 11.10.2008 |
| Bellecombe | Séverine MAGNOLION | 11.10.2008 |
| Chapelle saint- Barthélémy | Thomas Suiffer | 11.10.2008 |
| Termignon | Jean-François Dalix | 11.10.2008 |
| La Purra | Jean-Luc Etiévant | 11.10.2008 |
| Ouille des Reys | Roselyne Anselmet | 11.10.2008 |
| Chapelle saint- Barthélémy | Marc Konareff | 11.10.2008 |
| Rocher du château | Olivier Trompette | 11.10.2008 |
| Vincendières | Baki Benyoub | 11.10.2008 |
| Le Chatelard | Franck Parchoux | 11.10.2008 |
| Cuchet | Didier Malrat | 11.10.2008 |

| | | |
|--|--|------------|
| Hohe Tauern NP | Johann Plankensteiner | 11.10.2008 |
| Hohe Tauern NP | Carola Trojer | 11.10.2008 |
| Hohe Tauern NP | Franz Köll | 11.10.2008 |
| Hohe Tauern NP | Emanuel Egger | 11.10.2008 |
| Hohe Tauern NP | Rosa Steiner | 11.10.2008 |
| Hohe Tauern NP | Gunther Greßmann/Andrea Schett | 11.10.2008 |
| Hohe Tauern NP | Benjamin Trager | 11.10.2008 |
| Hohe Tauern NP | Karl Mair | 11.10.2008 |
| Hohe Tauern NP | Christian Riepler | 11.10.2008 |
| Hohe Tauern NP | Andreas Angermann | 11.10.2008 |
| Hohe Tauern NP | Bekannte von Michi | 11.10.2008 |
| Hohe Tauern NP | Markus Lackner | 11.10.2008 |
| Hohe Tauern NP | Walter Pucher | 11.10.2008 |
| Hohe Tauern NP | Erwin Haslacher | 11.10.2008 |
| Hohe Tauern NP | Franz Reiner | 11.10.2008 |
| Hohe Tauern NP | Egbert Kneissl | 11.10.2008 |
| Hohe Tauern NP | Lainer Ferdinand | 11.10.2008 |
| Hohe Tauern NP | Kötschach 1, von Feri | 11.10.2008 |
| Hohe Tauern NP | Anlauf 1, von Feri | 11.10.2008 |
| Hohe Tauern NP | Kolmkar 1, von Feri | 11.10.2008 |
| Hohe Tauern NP | Maria Hauser | 12.10.2008 |
| Hohe Tauern NP | Ruth Bstieler | 12.10.2008 |
| Hohe Tauern NP | Gunther Greßmann | 12.10.2008 |
| Hohe Tauern NP | Karl Mair | 12.10.2008 |
| Hohe Tauern NP | Franz Reiner | 12.10.2008 |
| Hohe Tauern NP | Lainer Ferdinand | 12.10.2008 |
| Hohe Tauern NP | Amertal 1, von Feri | 12.10.2008 |
| Hohe Tauern NP | Franz Köll | 12.10.2008 |
| Hohe Tauern NP | Krumbacher Paul | 12.10.2008 |
| Hohe Tauern NP | Holländer | 12.10.2008 |
| Hohe Tauern NP | Johann Gantschnig | 12.10.2008 |
| Hohe Tauern NP | Unbekannt | 12.10.2008 |
| Alpe Devero | Radames Bionda | 11.10.2008 |
| Valle Formazza - Morasco | Mauro Imboden | 11.10.2008 |
| Valle Formazza - Talli | Vilmo Alberti | 11.10.2008 |
| Trontano | Elena Lux | 11.10.2008 |
| Ornavasso - M.te Massone | Borretti Mauro | 11.10.2008 |
| Valle Anzasca - Pizzo Nero | Enrico Bozzola | 11.10.2008 |
| Valle Cannobina - M.ti di Cursolo | Giuseppe Badini | 11.10.2008 |
| Valle Vigezzo - Agrasino, Bagni di Craveggia | Riccardo Maccagno | 11.10.2008 |
| Valle Divedro - Teggiolo | Oswaldo Lucini | 11.10.2008 |
| Valle Bognaco - Cima Lariè | Salvatore Attinà - Paolo Taffi | 11.10.2008 |
| Vallone d'Arnas | Daniele Reteuna | 11.10.2008 |
| Pian Ciaramella | Maurizio Chiereghin | 11.10.2008 |
| Val Grande di Lanzo | Paolo Tordella | 11.10.2008 |
| Bec di Mea | Margherita Chiola - Alessandro Fappani | 11.10.2008 |
| Valle Susa - Alpe Carolei - Novalesa | Giuseppe Ferrero | 11.10.2008 |

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| Valle Susa - Cà d'Asti - Mompantero | Graziano Borello | 11.10.2008 |
| Alpe Costa Rossa - Mompantero | Valter Primela | 11.10.2008 |
| Colle Croce di Ferro - Bussoleno | Mauro Lussiana | 11.10.2008 |
| Valle Chisone -Pian dell'Alpe - Usseaux | Pane Andrea | 11.10.2008 |
| Valle Chisone - Saret del Campo - Fenestrelle | Vita Arcangelo | 11.10.2008 |
| Vallone Rochemolles - Valfredda | Dijaux A. - . | 11.10.2008 |
| Vallone di Rochemolles - Bardonecchia | Massara P. | 11.10.2008 |
| Vallone della Rho | Perron S. | 11.10.2008 |
| Valfrejus Pian delle Stelle | Corti - Kurskinski | 11.10.2008 |
| Pian del colle - Valle stretta | Cardinali L. | 11.10.2008 |
| Vallone Grange della valle | Cellerino A. | 11.10.2008 |
| Vallone Rio Secco - Pramand | Roux Poignant G. | 11.10.2008 |
| Forte Foens | Tambone C. | 11.10.2008 |
| Testa assietta - Gran serin | Ramassa E. - Rosso M. | 11.10.2008 |
| Val Clarea - Quattro denti | Molin C. | 11.10.2008 |
| Punta Gardiol Vallone Gran d'hoche - Chaberton - croce san giuseppe | Giunti L. | 11.10.2008 |
| Rocca Bianca - Conca Cialancia (Perrero) | U.P.G.Lingua Antonio + GEV Savoldi Lidia | 11.10.2008 |
| Valle Argentera (Sauze di Cesana) | Alberti Silvia + Arlaud Clara | 12.10.2008 |
| Val Thures (Cesana) | Alberti Silvia + Arlaud Clara | 12.10.2008 |
| Colle Pis, Morefreddo, Colle del Morefreddo (Pragelato) | Rosselli Domenico + Usseglio Bruno | 12.10.2008 |
| Prali- Bou du Col - Gran Guglia -Lago Verde (Prali) | Aldo Rizzo | 12.10.2008 |
| Vallone del Laux, colle Albergian (Usseaux) | Alberti Silvia | 12.10.2008 |
| Berg.Sellette (Prali) | Susy Pascal | 12.10.2008 |
| Balziglia - cascata del Pis (Massello) | Ficetto Giorgio | 11.10.2008 |
| Vallone del Ghinivert (Massello) | Boetto Enrico + Quercia Ilenia | 11.10.2008 |
| Vallone di Rodoretto - colle di Rodoretto (Prali) | Arlaud Clara | 11.10.2008 |
| Faussimagna-Bergeria delle Rocce (Pragelato) | Bourlot Marcello | 11.10.2008 |
| Alpe Muret -Colle della Buffa - Val Germanasca (Perrero) | Di Gregorio Renzo, Giustetto Guido | 11.10.2008 |
| colle Vaccera - Angrogna | R.Bertin, R. Bertin | 11.10.2008 |
| Vandalino - Torre Pellice | M. Gonin | 11.10.2008 |

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|---|--|------------|
| Sea Bianca | F.Granero, Iole Bertinat | 11.10.2008 |
| Colle delle Faure - Bobbio Pellice | L.Giovo. N. Basso | 11.10.2008 |
| Alpe Crosenna (Bobbio P.) | S. Mondon, M. Boschi | 11.10.2008 |
| Alpe la Roussa - Bobbio Pellice | F. Avondetto, | 11.10.2008 |
| Valle Po - Meire Tirolo - Oncino | Daniele Garabello, Marco Rastelli, Luca Valenti e Gianni Salvatico | 11.10.2008 |
| Valle Varaita - Pontechianale | Massimo Pettavino | 11.10.2008 |
| Valle Varaita - Bellino | Fabrizio Blangetti | 11.10.2008 |
| Valle Maira - Ussolo | Giorgio Perello | 11.10.2008 |
| Valle Maira - Acceglio | Federica Picco | 11.10.2008 |
| Valle Maira - Chiappera | Mauro Castelli | 11.10.2008 |
| Valle Stura - Riofreddo | Luca Giraudo | 11.10.2008 |
| Valle Stura - Pietraporzio | Marco Dogliotti | 11.10.2008 |
| Valle Stura - Bagni | Roberto Rubbini | 11.10.2008 |
| Valle Stura - Colle della Lombarda | Michelangelo Giordano | 11.10.2008 |
| Valle Stura - Sant'Anna | Alessandro Qualich | 11.10.2008 |
| Valle Gesso - Isterpis | Valter Roggero, Mario Dalmasso | 11.10.2008 |
| Valle Pesio - Punta Mirauda | Franco Delpiano | 11.10.2008 |
| Valle Ellero - Pian Marchisa | Erik Rolando | 11.10.2008 |
| Valle Tanaro - Colla di Carnino | Giuseppe Gerbotto | 11.10.2008 |
| Val Ferret | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Val Veny | Azienda faunistico-venatoria Courmayeur Mont Blanc Nature | 11.10.2008 |
| La Thuile (Loc. Pont Serrand, Riondet) | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Valdigne | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Vallone di Vertosan | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Media Valgrisenche | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valgrisenche | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valle di Rhemes | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Vetan | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Vallone del Gran S. Bernardo | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Vallone del Gran S. Bernardo | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Vallone del Gran S. Bernardo | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Valpelline | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Valpelline | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Valpelline | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Valle di St. Barthelemy (Mont Faroma) | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Media-alta Valle di St. Barthélemy | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Valle di Clavalité | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valtournenche | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valtournenche | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valtournenche | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Valle d'Ayas | Corpo Forestale della Valle d'Aosta | 11.10.2008 |

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| Valle d'Ayas | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Media Valle di Gressoney | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valle di Gressoney | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valle di Gressoney | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valle di Gressoney | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valle di Gressoney | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Media Valle di Champorcher | Corpo Forestale della Valle d'Aosta | 11.10.2008 |
| Alta Valle di Champorcher | Parco Naturale Mont Avic | 11.10.2008 |
| Alta Valle di Champorcher | Parco Naturale Mont Avic | 11.10.2008 |
| Alta Valle di Champorcher | Parco Naturale Mont Avic | 11.10.2008 |
| Alta Valle Chalamy | Parco Naturale Mont Avic | 11.10.2008 |
| JAUSIERS | 110Les Sagnes | 11.10.2008 |
| SAINT-PAUL-SUR-UBAYE | 11La Blave | 11.10.2008 |
| SAINT-PAUL-SUR-UBAYE | 12Plan de Parouart | 11.10.2008 |
| SAINT-PAUL-SUR-UBAYE | 13Maurin | 11.10.2008 |
| SAINT-PAUL-SUR-UBAYE | 14Le Châtelet | 11.10.2008 |
| SAINT-PAUL-UBAYE | 15Fouillouse | 11.10.2008 |
| MEYRONNES | 16Saint-Ours | 11.10.2008 |
| LARCHE | 17Pré la Font | 11.10.2008 |
| LA CONDAMINE | 18Chapelle Ste-Anne | 11.10.2008 |
| SAINT-PAUL-SUR-UBAYE | 19Col de Vars | 11.10.2008 |
| ALLOS | 21Cabane a sel du Lac Allos | 11.10.2008 |
| COLMARS-LES-ALPES | 22Tête des Muletiers | 11.10.2008 |
| ALLOS | 23Sommet de Valdemars | 11.10.2008 |
| THORAME-HAUTE | 24Courradour | 11.10.2008 |
| PEONE | 31Estrop | 11.10.2008 |
| CHATEAUNEUF-D'ENTRAUNES | 32Le Cougnet | 11.10.2008 |
| ENTRAUNES | 33La Frache | 11.10.2008 |
| ENTRAUNES | 34Tête Moulone | 11.10.2008 |
| ROUBION | 35Barres du Démant | 11.10.2008 |
| | 36Tête de Charnaille | 11.10.2008 |
| SAINT-ETIENNE-DE-TINEE | 41Le Pra | 11.10.2008 |
| SAINT-ETIENNE-DE-TINEE | 43Mikéou | 11.10.2008 |
| SAINT-ETIENNE-DE-TINEE | 44Granges de Roya | 11.10.2008 |
| SAINT-ETIENNE-DE-TINEE | 46Bonette-Fourches | 11.10.2008 |
| BEUIL | 51Mont Brussière | 11.10.2008 |
| ROUBION | 52Tête de Varéglios | 11.10.2008 |
| ISOLA | 55Col de la Lombarde | 11.10.2008 |
| RIMPLAS | 57Fort de Rimplas | 11.10.2008 |
| VALDEBLORE | 61Col de Veillos | 11.10.2008 |
| SAINT-MARTIN-VESUBIE | 62Sentier Chalet Vidron | 11.10.2008 |

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| SAINT-MARTIN-VESUBIE | 63La Madone de Fenestre | 11.10.2008 |
| BELVEDERE | 64Engiboï | 11.10.2008 |
| BELVEDERE | 65Vacherie de la Coulette | 11.10.2008 |
| SAINT-MARTIN-VESUBIE | 68Lac Nègre | 11.10.2008 |
| TENDE | 71Paracouerte | 11.10.2008 |
| TENDE | 72Cime de Pépin | 11.10.2008 |
| LA BRIGUE | 73Cime de Martre | 11.10.2008 |
| SAORGE | 74Escandail | 11.10.2008 |
| Gemipass | A. Tilquin | 11.10.2008 |
| Tseuzier | B. Michellod, C. Bottani, D. Michellod | 11.10.2008 |
| La Combe / Le Godey | B. Posse, N. Rieille | 11.10.2008 |
| Anthème | B.O. Demory | 11.10.2008 |
| La Louère | F. Biollaz, S. Cotting, S. Biolley | 11.10.2008 |
| Schilthorn | J. Schoop, W. Karlen | 11.10.2008 |
| Chaux d'Anthème | M. Cheseaux | 11.10.2008 |
| Bundalp | M. Schaad, A. Jacob | 11.10.2008 |
| Sanetsch / L'Arpille | N. Dussex | 11.10.2008 |
| Col du Jorat | N. Jordan | 11.10.2008 |
| Üschenental | N. Reusser | 11.10.2008 |
| L'Œil de Bœuf | P.A. Pchon | 11.10.2008 |
| Chamoson | R. Arlettaz | 11.10.2008 |
| Col de la Croix | S. Antoniazza | 11.10.2008 |
| Vallon de Nant | S. Nusslé, S. Gonseth, V. Nusslé | 11.10.2008 |
| Col de Bretolet | U. Schaffner, P. Bosshard | 11.10.2008 |
| Lac supérieur de Fully | A. Tilquin | 12.10.2008 |
| Barrage de Mauvoisin | B. Gabbud | 12.10.2008 |
| Sex Rouge | B. Posse, N. Rieille | 12.10.2008 |
| Gemmipass | D. Roten | 12.10.2008 |
| Salanfe | E. Revaz | 12.10.2008 |
| Montbas | F. Biollaz, S. Cotting, S. Biolley | 12.10.2008 |
| Oeschinensee | J. Schoop, W. Karlen | 12.10.2008 |
| Col de Coux | M. Cheseaux | 12.10.2008 |
| Schilthorn | M. Schaad, A. Jacob | 12.10.2008 |
| Col des Eaux Froides | N. Dussex | 12.10.2008 |
| Spillgarten | P. Frei, T. Fankhauser, L. Rey | 12.10.2008 |
| L'Œil de Bœuf | P.A. Pchon | 12.10.2008 |
| Chamoson | R. Arlettaz | 12.10.2008 |
| Col de la Croix | S. Antoniazza | 12.10.2008 |
| Vertsan | S. Denis | 12.10.2008 |
| Vallon de Nant | S. Nusslé | 12.10.2008 |
| Col de Bretolet | U. Schaffner, P. Bosshard | 12.10.2008 |
| Livigno PNS | Sprenger | 11.10.2008 |
| Livigno PNS | Stefanelli | 11.10.2008 |
| Livigno PNS | Bassi | 11.10.2008 |
| Livigno PNS | Azzolini | 11.10.2008 |
| Livigno PNS | Angerer | 11.10.2008 |
| Livigno PNS | Floreani | 11.10.2008 |
| Livigno PNS | Silvestri | 11.10.2008 |
| Valdidentro PNS | Moranduzzo | 11.10.2008 |
| Valdidentro PNS | De Martin | 11.10.2008 |
| Valdidentro PNS | Ghisla - Salmaso | 11.10.2008 |

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| Valdidentro PNS | Regazzoni | 11.10.2008 |
| Valdidentro PNS | Sanetti, Molinari | 11.10.2008 |
| Valdidentro PNS | Martinelli | 11.10.2008 |
| Valdidentro PNS | Ferloni - Corlatti | 11.10.2008 |
| Valdidentro PNS | Bresemi | 11.10.2008 |
| Valdidentro PNS | Urbani - Crovetto | 11.10.2008 |
| Valdidentro PNS | Rastelli | 11.10.2008 |
| Valdidentro PNS | Palfrader | 11.10.2008 |
| Valdidentro PNS | Ghilotti - Scarafoni | 11.10.2008 |
| Sondalo PNS | Zubiani - G. Bazzi | 11.10.2008 |
| Sondalo PNS | Giandomenico - Diana | 11.10.2008 |
| Sondalo PNS | Favaron - Servi | 11.10.2008 |
| Sondalo PNS | Santelli - Pizzato | 11.10.2008 |
| Sondalo PNS | Crippa | 11.10.2008 |
| Sondalo PNS | Pirrotta | 11.10.2008 |
| Sondalo PNS | L. Bazzi | 11.10.2008 |
| Sondalo PNS | Belardi | 11.10.2008 |
| Sondalo PNS | Pedroli - Mingarelli | 11.10.2008 |
| Sondalo PNS | Santinelli | 11.10.2008 |
| Sondalo PNS | Giumelli - Facoetti | 11.10.2008 |
| Sondalo PNS | Fasoli | 11.10.2008 |
| Sondalo PNS | Cusini - Martinoli | 11.10.2008 |
| Valfurva PNS | Pozzi - Nicoli | 11.10.2008 |
| Valfurva PNS | Marcolli - L. Casali | 11.10.2008 |
| Valfurva PNS | Alberti - Macchi | 11.10.2008 |
| Valfurva PNS | Galli - P. Casali | 11.10.2008 |
| Valfurva PNS | Ragaglia, Falgari | 11.10.2008 |
| Valfurva PNS | Trotti | 11.10.2008 |
| Valfurva PNS | Mattarei | 11.10.2008 |
| Temù PNS | Zanardini | 11.10.2008 |
| Temù PNS | Cao - Sandrini | 11.10.2008 |
| Temù PNS | Pedergnana - Marconi | 11.10.2008 |
| Temù PNS | Micheli - Aiardi | 11.10.2008 |
| Temù PNS | Bertoli - Tavelli | 11.10.2008 |
| Temù PNS | Chemollo | 11.10.2008 |
| Temù PNS | Christille | 11.10.2008 |
| Temù PNS | Lieta | 11.10.2008 |
| Temù PNS | Contrini - Piazzani G.P. | 11.10.2008 |
| Temù PNS | Faifer - Ducoli | 11.10.2008 |
| Temù PNS | Gionta | 11.10.2008 |
| Temù PNS | Caserotti | 11.10.2008 |
| Temù PNS | Armanni - Ballerini | 11.10.2008 |
| Temù PNS | Armanaschi | 11.10.2008 |
| Temù PNS | Pasqua | 11.10.2008 |
| Temù PNS | Capelli - Piazzani G.F. | 11.10.2008 |
| Trentino PNS | Tasin - Silvestri | 11.10.2008 |
| Trentino PNS | Sotti | 11.10.2008 |
| Trentino PNS | Pegolotti - Dallabrida | 11.10.2008 |
| Trentino PNS | Pedri | 11.10.2008 |
| Trentino PNS | Bragalanti | 11.10.2008 |
| Trentino PNS | Mochen | 11.10.2008 |
| Trentino PNS | Manini | 11.10.2008 |

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| Trentino PNS | Gionta | 11.10.2008 |
| Trentino PNS | Delpero | 11.10.2008 |
| Trentino PNS | Framba | 11.10.2008 |
| Trentino PNS | Stanchino | 11.10.2008 |
| Trentino PNS | Taddei | 11.10.2008 |
| Trentino PNS | Alberti | 11.10.2008 |
| Trentino PNS | Bortolameolli – Manaigo | 11.10.2008 |
| Trentino PNS | Barbieri - Callovi | 11.10.2008 |
| Trentino PNS | Canella | 11.10.2008 |
| Trentino PNS | Piazzzi -Pedergrana | 11.10.2008 |
| Trentino PNS | Dalla Valle | 11.10.2008 |
| Trentino PNS | Baggia | 11.10.2008 |
| Trentino PNS | Fellin | 11.10.2008 |
| Adamello Brenta | Volcan | 11.10.2008 |
| Klaus Bliem | Klaus Bliem | 17.10.2008 |
| Ja Joos Erich | Ja Joos Erich | 10.10.2008 |
| Col du Glandon | Durr Michel | 11.10.2008 |
| | Ravary CatherineBarteï Christine Cachat Jean-Claude Cachat | |
| Taroche | Dominique | 11.10.2008 |
| Col de L'Echelle | Niermont Jean-Pierre Niermont Maryse | 11.10.2008 |
| | Valérie PinetGérard BriardConseil Alfred Evelyne et Monique | |
| Les Alberts | Boczmak | 11.10.2008 |
| Village | Yves ZabardiFabien SicardSylvie Mosdale | 11.10.2008 |
| Pont de l'Alpe | Christol BernardVolontaireVolontaire | 11.10.2008 |
| L'Aiguillon | Delenate Blandine | 11.10.2008 |
| La Buffe | Vannard Eric | 11.10.2008 |
| Laval | Pierre BonnotStéphanie Besson | 11.10.2008 |
| Gran Aréa | Gillot PhilippeGillot Maxence | 11.10.2008 |
| Les Gondoins | André PhilippeFiorasoPhilippe | 11.10.2008 |
| Les Roranches | Marc CorailJamous Marie-PierreJamous HélèneClerc Olivier | 11.10.2008 |
| Prapic | Papet RodolpheDeleuil Bernard | 11.10.2008 |
| Chaumette | Thomas Bernard | 11.10.2008 |
| Tête de la Clappe | Didier BRUGOTMarie-Cécile BRUGOTBrigitte EMMERY | 11.10.2008 |
| Col du Festre | Santini Jean-LouisPaul VEDELJoëlle SERVOZMarie-George SERIE | 11.10.2008 |
| Col de la Saume | Eliane DUPLANDAude PAPPEHélène CLAVEAU | 11.10.2008 |
| Col de l'Aup | Pierre REYNAUDClaude-Marie COTTEREAUChristiane SERRES | 11.10.2008 |
| L'Alp | Combrisson DamienLecomte ElisabethFrin bernardFaure Aline | 11.10.2008 |
| Couleau | Bouche MichelBoulangeat LouiseChristophe | 11.10.2008 |
| Montdauphin | Couloumy ChristianBertrand Jean-Michel | 11.10.2008 |
| L'Eyrette | Charron JulienCastelle DidierGrobois Anne | 11.10.2008 |
| Pra Prunier | Conraud RenéIsnard FlorenceArnaudEric | 11.10.2008 |
| Chapelle Saint-Pierre | Coulon MirielleFlorent | 11.10.2008 |
| Col du Parpaillon | Bouvier MartialSautour Anne-FleurGrassier Sophie | 11.10.2008 |
| Saluces | Bernard PierreBournat Jean-MarieBuisson Véronique | 11.10.2008 |
| Pré Gentil | Albert Christophe | 11.10.2008 |
| Vénéon | Roche Daniel | 11.10.2008 |
| Rif Tort | Martin Jean-PaulVolontaire | 11.10.2008 |
| Fond du Ferrand | Pinel Jean-Luc | 11.10.2008 |
| Dôme des Rousses | Dérivaz SergeVolontaire | 11.10.2008 |
| Chapelle de Clausis | Samuel MICHELNadine BEAUFILSCédric BOUCHER | 11.10.2008 |
| Eysseulières | Natacha HEITZSébastien SLIVA | 11.10.2008 |
| Val d'Escreins | Jonathan ATHIMON | 11.10.2008 |
| Col Agnel | Lise DUCONTE | 11.10.2008 |

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| Combe Guyon | Marion DigierOlivier Daeye | 11.10.2008 |
| Le Paletas | Nadine Geoffroy Volontaire | 11.10.2008 |
| Le Désert | Puissant Joël | 11.10.2008 |
| Jas des Portes | Bulle TommyVolontaire | 11.10.2008 |
| Col des Vachers | GMVolontaire | 11.10.2008 |
| Barthalay | Maillet Thierry | 11.10.2008 |
| Pousterle/Fournel | Nicolas Marie-Geneviève | 11.10.2008 |
| Champcella | Faure Joël | 11.10.2008 |
| Tramouillon | Chevalier Robert | 11.10.2008 |
| Dormillouse | Manzon Louis | 11.10.2008 |
| Mt Ventoux | Corsange MichèleMagub Michel | 11.10.2008 |
| Col du Rousset | Choisy Jean-Pierre | 11.10.2008 |
| Pas du Follet | Duchamp Jacques | 11.10.2008 |
| But St Genis | Fayolas Didier | 11.10.2008 |
| Grand Delmas | Oboussier FrancisVolontaire | 11.10.2008 |
| | David Gilbert | 11.10.2008 |
| Col de Tourniol | Hargreaves AndrewBresson Hélène | 11.10.2008 |
| plateau *des Ramées | Erige de Thiersant9 observateurs LPO Isère | 11.10.2008 |
| Arête du Gerbier | Baloge David | 11.10.2008 |
| Vallon de Combau | Chamous Hélène | 11.10.2008 |
| Tête de la Dame | Riner Pierre | 11.10.2008 |
| Grand Veymont | Locatelli Rémy | 11.10.2008 |
| Archiane | Fourgous Bernard | 11.10.2008 |
| Chantelouve | Mailys PoyetKarine DrostFrançoise FrossardFrançoise Chevalier | 11.10.2008 |
| NP Stilfserjoch | Eugen Wallnöfer, Gander Heinrich, Pentiori Christian, Florian Winkler, Buffa Andrea, Fritz Fliri | 14.10.2008 |
| NP Stilfserjoch | Eugen Wallnöfer, Gander Heinrich, Pentiori Christian, Florian Winkler, Buffa Andrea, Fritz Fliri | 15.10.2008 |

6.3 Information stored in the IBM data base

Table 10: Summary of the data stored in the IBM data base for the period 11th to 12th of October 2008.

| ID | Date | Age | Bird Identity | Community | Country |
|----|------------|----------------------------|-------------------|------------------------|-------------|
| 1 | 11.10.2008 | immature oder subadult (?) | | Ardez | Switzerland |
| 2 | 11.10.2008 | juvenile (1.y.) | Parouart - ID:W55 | Saint-Paul-sur-Ubaye | France |
| 3 | 11.10.2008 | | | La Punt Chamues-ch | Switzerland |
| 4 | 11.10.2008 | adult (>6.y.) | | Saint-Paul-sur-Ubaye | France |
| 5 | 11.10.2008 | adult (>6.y.) | | Saint-Martin-Vésubie | France |
| 6 | 11.10.2008 | adult (>6.y.) | | Matrei in Osttirol | Austria |
| 7 | 11.10.2008 | | | CONDAMINE-CHATELARD | France |
| 8 | 11.10.2008 | adult (>6.y.) | | Zernez | Switzerland |
| 9 | 11.10.2008 | adult (>6.y.) | | Sta. Maria Val Müstair | Switzerland |
| 10 | 11.10.2008 | | | Ramosch | Switzerland |
| 11 | 11.10.2008 | juvenile (1.y.) | | Clavans-en-Haut-Oisans | France |
| 12 | 11.10.2008 | subadult (5./6.y.) | | Isola | France |
| 13 | 11.10.2008 | adult (>6.y.) | | Saint-Paul-sur-Ubaye | France |
| 14 | 11.10.2008 | | | CONDAMINE-CHATELARD | France |
| 15 | 11.10.2008 | juvenile (1.y.) | | Pontresina | Switzerland |
| 16 | 11.10.2008 | subadult (4.y.) | | Beuil | France |
| 17 | 11.10.2008 | juvenile (1.y.) | | Beuil | France |
| 18 | 11.10.2008 | adult (>6.y.) | | CONDAMINE-CHATELARD | France |
| 19 | 11.10.2008 | | | Beuil | France |

| | | | | | |
|----|------------|----------------------------|--------------------|-----------------------------|-------------|
| 20 | 11.10.2008 | juvenile (1.y.) | Nonno Bob - ID:548 | Beuil | France |
| 21 | 11.10.2008 | juvenile (1.y.) | Nonno Bob - ID:548 | Beuil | France |
| 22 | 11.10.2008 | | | Roubion | France |
| 23 | 11.10.2008 | | | CONDAMINE-CHATELARD | France |
| 24 | 11.10.2008 | juvenile (1.y.) | Nonno Bob - ID:548 | Beuil | France |
| 25 | 11.10.2008 | subadult (4.y.) | | Beuil | France |
| 26 | 11.10.2008 | adult (>6.y.) | | Saint-Paul-sur-Ubaye | France |
| 27 | 11.10.2008 | adult (>6.y.) | | Rhemes-Notre-Dame | Italy |
| 28 | 11.10.2008 | adult (>6.y.) | | Rhemes-Notre-Dame | Italy |
| 29 | 11.10.2008 | subad or adult (?) | | Sur | Switzerland |
| 30 | 11.10.2008 | juvenile (1.y.) | Nonno Bob - ID:548 | Beuil | France |
| 31 | 11.10.2008 | adult (>6.y.) | | Rhemes-Notre-Dame | Italy |
| 32 | 11.10.2008 | adult (>6.y.) | | Rhemes-Notre-Dame | Italy |
| 33 | 11.10.2008 | immature oder subadult (?) | | Rhemes-Notre-Dame | Italy |
| 34 | 12.10.2008 | dark head | | Mittersill | Austria |
| 35 | 12.10.2008 | juvenile (1.y.) | Pinzgarus - ID:558 | Prägraten am Großvenediger | Austria |
| 36 | 12.10.2008 | adult (>6.y.) | | Silvaplana | Switzerland |
| 37 | 12.10.2008 | adult (>6.y.) | | Matrei in Osttirol | Austria |
| 38 | 12.10.2008 | adult (>6.y.) | | Matrei in Osttirol | Austria |
| 39 | 12.10.2008 | subad or adult (?) | | Bourg-Saint-Maurice | France |
| 40 | 12.10.2008 | immature (3.y.) | | Bourg-Saint-Maurice | France |
| 41 | 12.10.2008 | adult (>6.y.) | | Stampa | Switzerland |
| 42 | 12.10.2008 | juvenile/immature (?) | | Matrei in Osttirol | Austria |
| 43 | 12.10.2008 | juvenile (1.y.) | Pinzgarus - ID:558 | Prägraten am Großvenediger | Austria |
| 44 | 12.10.2008 | adult (>6.y.) | | Prägraten am Großvenediger | Austria |
| 45 | 12.10.2008 | adult (>6.y.) | | La Punt Chamues-ch | Switzerland |
| 46 | 12.10.2008 | adult (>6.y.) | | La Punt Chamues-ch | Switzerland |
| 47 | 12.10.2008 | juvenile (1.y.) | | La Punt Chamues-ch | Switzerland |
| 48 | 12.10.2008 | adult (>6.y.) | | Saint-Martin-Vésubie | France |
| 49 | 12.10.2008 | subad or adult (?) | | Matrei in Osttirol | Austria |
| 50 | 12.10.2008 | immature (3.y.) | | Neukirchen am Großvenediger | Austria |
| 51 | 12.10.2008 | adult (>6.y.) | | Mittersill | Austria |

6.4 All data transmitted to the IBM (data base & email)

Table 11: Summary of the data stored in the IBM data base and data communicated to the IBM office by email for the period between 10th to 11th of October 2008 (by 30th of November 2008).

| ID | Age | Bird Identity | Date |
|----|----------|---------------|------------|
| 1 | adult | Balthazar | 11.10.2008 |
| 2 | juvenile | MGM | 11.10.2008 |
| 3 | adult | Balthazar | 11.10.2008 |
| 4 | adult | Assignat | 11.10.2008 |
| 5 | juvenile | MGM | 11.10.2008 |
| 6 | adult | Balthazar | 11.10.2008 |
| 7 | adult | Assignat | 11.10.2008 |
| 8 | juvenile | MGM | 11.10.2008 |
| 9 | adult | local pair | 11.10.2008 |
| 10 | adult | local pair | 11.10.2008 |
| 11 | adult | local pair | 11.10.2008 |
| 12 | adult | local pair | 11.10.2008 |

| | | | |
|-----|-----------------------|--------------------------|------------|
| 13 | adult | local bird | 11.10.2008 |
| 14 | adult | local bird | 11.10.2008 |
| 15 | adult | | 11.10.2008 |
| 16 | adult | | 11.10.2008 |
| 17 | adult | Veronika | 11.10.2008 |
| 18 | adult | Haute-Savoie Mont Blanc | 11.10.2008 |
| 19 | adult | local bird | 11.10.2008 |
| 20 | adult | Veronika | 11.10.2008 |
| 21 | adult | Haute-Savoie Mont Blanc | 11.10.2008 |
| 22 | adult | Veronika | 11.10.2008 |
| 23 | adult | Haute-Savoie Mont Blanc | 11.10.2008 |
| 24 | adult | Veronika | 11.10.2008 |
| 25 | adult | Haute-Savoie Mont Blanc | 11.10.2008 |
| 26 | adult | Veronika | 11.10.2008 |
| 27 | adult | Haute-Savoie Mont Blanc | 11.10.2008 |
| 28 | adult | | 11.10.2008 |
| 29 | unknown age | | 11.10.2008 |
| 30 | juvenile | Zebru Martell | 11.10.2008 |
| 31 | adult | | 11.10.2008 |
| 32 | adult | | 11.10.2008 |
| 33 | juvenile | Luzi-Albula | 11.10.2008 |
| 34 | adult | Diana-Stelvio | 11.10.2008 |
| 35 | adult | Louis | 11.10.2008 |
| 36 | immature | | 11.10.2008 |
| 37 | immature | | 11.10.2008 |
| 38 | juvenile | Luzi-Albula | 11.10.2008 |
| 39 | adult | Diana-Stelvio oder Louis | 11.10.2008 |
| 40 | adult | | 11.10.2008 |
| 41 | immature | | 11.10.2008 |
| 42 | adult | | 11.10.2008 |
| 43 | juvenile | Luzi-Albula | 11.10.2008 |
| 81 | adult | Argentera | 11.10.2008 |
| 82 | adult | Argentera | 11.10.2008 |
| 83 | adult | Argentera | 11.10.2008 |
| 84 | adult | ? | 11.10.2008 |
| 85 | juvenile | Girasole BV 549 | 11.10.2008 |
| 86 | adult | Firmin BV 229 | 11.10.2008 |
| 87 | subadult/adult | | 11.10.2008 |
| 88 | adult (more than 6.y) | | 11.10.2008 |
| 89 | immature 2.y | Fontvieille - ID:520 | 11.10.2008 |
| 90 | juvenile | Nonno Bob - ID:548 | 11.10.2008 |
| 91 | juvenile | Nonno Bob - ID:548 | 11.10.2008 |
| 92 | adult (more than 6.y) | | 11.10.2008 |
| 93 | subadult (5./6.y) | Blangiar - ID:433 | 11.10.2008 |
| 94 | subadult (5./6.y) | | 11.10.2008 |
| 95 | adult (more than 6.y) | | 11.10.2008 |
| 96 | unknown age | | 11.10.2008 |
| 97 | unknown age | | 11.10.2008 |
| 98 | subadult (4.y) | | 11.10.2008 |
| 99 | juvenile | | 11.10.2008 |
| 100 | subadult (4.y) | | 11.10.2008 |
| 101 | juvenile | Nonno Bob - ID:548 | 11.10.2008 |
| 102 | juvenile | Nonno Bob - ID:548 | 11.10.2008 |

| | | | |
|-----|-----------------------|---|------------|
| 103 | juvenile | Nonno Bob - ID:548 | 11.10.2008 |
| 104 | subadult (4.y) | | 11.10.2008 |
| 105 | subadult (4.y) | | 11.10.2008 |
| 106 | immature 2.y | Fontvieille - ID:520 | 11.10.2008 |
| 107 | juvenile | Parouart - ID:W55 | 11.10.2008 |
| 108 | adult (more than 6.y) | | 11.10.2008 |
| 109 | adult (more than 6.y) | | 11.10.2008 |
| 110 | adult (more than 6.y) | | 11.10.2008 |
| 111 | unknown age | | 11.10.2008 |
| 112 | unknown age | | 11.10.2008 |
| 113 | adult (more than 6.y) | | 11.10.2008 |
| 114 | unknown age | | 11.10.2008 |
| 115 | unknown age | | 11.10.2008 |
| 116 | subadult | | 11.10.2008 |
| 117 | subadult | | 11.10.2008 |
| 118 | immature | BG 524 „Blick“ | 11.10.2008 |
| 119 | subadult 4y | | 11.10.2008 |
| 120 | immature 2y | | 11.10.2008 |
| 121 | adult | | 11.10.2008 |
| 122 | adult | | 11.10.2008 |
| 123 | adult | pair of Peisey-Nancroix | 11.10.2008 |
| 124 | adult | pair of Peisey-Nancroix | 11.10.2008 |
| 125 | adult | pairs of Peisey-Nancroix | 11.10.2008 |
| 126 | adult | pairs of Peisey-Nancroix | 11.10.2008 |
| 127 | adult | pairs of Peisey-Nancroix | 11.10.2008 |
| 128 | adult | pairs of Peisey-Nancroix | 11.10.2008 |
| 129 | juvenile | | 11.10.2008 |
| 130 | immature 3y. | | 11.10.2008 |
| 131 | adult | | 11.10.2008 |
| 132 | adult | pairs of Val d'Isère | 11.10.2008 |
| 133 | adult | pairs of Val d'Isère | 11.10.2008 |
| 134 | adult | pairs of Termignon | 11.10.2008 |
| 135 | adult | pairs of Termignon | 11.10.2008 |
| 136 | immature 2y | | 11.10.2008 |
| 137 | adult | | 11.10.2008 |
| 138 | adult | | 11.10.2008 |
| 139 | adult | Jackpot 3 ? | 11.10.2008 |
| 140 | adult | Jackpot 3 ? | 11.10.2008 |
| 141 | subadult/adult | ? | 11.10.2008 |
| 142 | subadult/adult | ?? | 11.10.2008 |
| 143 | adult | Andreas Hofer | 11.10.2008 |
| 144 | adult | Colleen? | 11.10.2008 |
| 145 | juvenile | Rurese | 11.10.2008 |
| 157 | adult | unknown 5 | 11.10.2008 |
| 158 | adult | unknown 5 | 11.10.2008 |
| 159 | adult | unknown 5 | 11.10.2008 |
| 160 | adult | BV 359 Pablo or BV 299 Gildo or unknown 3 | 11.10.2008 |
| 161 | adult | BV 359 Pablo or BV 299 Gildo or unknown 1 | 11.10.2008 |
| 162 | juvenile | unknown 2 | 11.10.2008 |
| 163 | immature | unknown 2 or 7 | 11.10.2008 |
| 164 | immature | unknown 8 | 11.10.2008 |
| 165 | immature | unknown 9 | 11.10.2008 |

| | | | |
|-----|-------------------------|----------------|------------|
| 166 | juvenile | unknown 2 or 7 | 11.10.2008 |
| 167 | juvenile or immature | unknown 10 | 11.10.2008 |
| 168 | juvenile or immature | unknown 11 | 11.10.2008 |
| 169 | immature 2y | BV 528 Romaris | 11.10.2008 |
| 170 | subadult 4y | unknown 12 | 11.10.2008 |
| 171 | immature 2y | BV 528 Romaris | 11.10.2008 |
| 172 | subadult 4y | unknown 12 | 11.10.2008 |
| 207 | adult | Cic | 11.10.2008 |
| 208 | adult | Moische | 11.10.2008 |
| 209 | adult | | 11.10.2008 |
| 210 | adult | Livigno | 11.10.2008 |
| 211 | adult | Rätia | 11.10.2008 |
| 212 | adult | Livigno | 11.10.2008 |
| 213 | adult | Ratia | 11.10.2008 |
| 214 | adult | Livigno | 11.10.2008 |
| 215 | adult | Rätia | 11.10.2008 |
| 216 | adult | Livigno | 11.10.2008 |
| 217 | adult | Ratia | 11.10.2008 |
| 218 | adult | Livigno | 11.10.2008 |
| 219 | adult | Ratia | 11.10.2008 |
| 220 | adult | ?? | 11.10.2008 |
| 221 | adult | ?? | 11.10.2008 |
| 222 | adult | ?? | 11.10.2008 |
| 223 | adult | ?? | 11.10.2008 |
| 224 | subadult | | 11.10.2008 |
| 225 | subadult | | 11.10.2008 |
| 226 | immature | | 11.10.2008 |
| 227 | adult | Braulio adult | 11.10.2008 |
| 228 | adult | Braulio adult | 11.10.2008 |
| 229 | unknown age | | 11.10.2008 |
| 230 | immature | | 11.10.2008 |
| 231 | adult | Zebrù adult | 11.10.2008 |
| 232 | adult | Zebrù adult | 11.10.2008 |
| 233 | adult | Zebrù adult | 11.10.2008 |
| 234 | adult | Zebrù adult | 11.10.2008 |
| 235 | adult | Zebrù adult | 11.10.2008 |
| 236 | adult | Zebrù adult | 11.10.2008 |
| 237 | adult | Zebrù adult | 11.10.2008 |
| 238 | adult | Zebrù adult | 11.10.2008 |
| 239 | adult | Zebrù adult | 11.10.2008 |
| 240 | adult | Zebrù adult | 11.10.2008 |
| 241 | adult | Zebrù adult | 11.10.2008 |
| 242 | adult | Zebrù adult | 11.10.2008 |
| 243 | adult | Zebrù adult | 11.10.2008 |
| 244 | adult | Zebrù adult | 11.10.2008 |
| 245 | adult | Zebrù adult | 11.10.2008 |
| 246 | adult | Zebrù trio | 11.10.2008 |
| 247 | adult | Zebrù trio | 11.10.2008 |
| 248 | adult | Zebrù trio | 11.10.2008 |
| 249 | adult | Zebrù adult | 11.10.2008 |
| 250 | adult | Zebrù adult | 11.10.2008 |
| 251 | adult | Zebrù adult | 11.10.2008 |
| 252 | adult | Zebrù adult | 11.10.2008 |
| 253 | adult | Zebrù adult | 11.10.2008 |

| | | | |
|-----|-------------------|--|------------|
| 254 | adult | Zebrù adult | 11.10.2008 |
| 255 | adult | Zebrù adult | 11.10.2008 |
| 256 | adult | Zebrù adult | 11.10.2008 |
| 257 | adult | Zebrù adult | 11.10.2008 |
| 258 | adult | Zebrù adult | 11.10.2008 |
| 259 | adult | Zebrù adult | 11.10.2008 |
| 260 | adult | Zebrù adult | 11.10.2008 |
| 261 | adult | Zebrù adult | 11.10.2008 |
| 262 | adult | Zebrù adult | 11.10.2008 |
| 263 | adult | Zebrù adult | 11.10.2008 |
| 264 | adult | Zebrù adult | 11.10.2008 |
| 265 | adult | Zebrù adult | 11.10.2008 |
| 266 | adult | Zebrù adult | 11.10.2008 |
| 267 | subadult | ? | 11.10.2008 |
| 268 | adult | new adult?adult of zebru's trio? | 11.10.2008 |
| 272 | immature | no marks | 11.10.2008 |
| 276 | adult | unknown pair member Rhemes | 11.10.2008 |
| 277 | adult | unknown pair member Rhemes | 11.10.2008 |
| 278 | immature/subadult | together with pair Rhemes | 11.10.2008 |
| 279 | adult | unknown pair member Rhemes | 11.10.2008 |
| 280 | adult | unknown pair member Rhemes | 11.10.2008 |
| 283 | unknown age | unknown age | 11.10.2008 |
| 289 | adult | | 11.10.2008 |
| 44 | unknown age | | 12.10.2008 |
| 45 | juvenile | Luzi-Albula | 12.10.2008 |
| 46 | adult | Diana-Stelvio or Louis | 12.10.2008 |
| 47 | adult | | 12.10.2008 |
| 48 | adult | | 12.10.2008 |
| 49 | immature | | 12.10.2008 |
| 50 | adult | | 12.10.2008 |
| 51 | immature | | 12.10.2008 |
| 52 | unknown age | | 12.10.2008 |
| 146 | juvenile | Pinzgarus | 12.10.2008 |
| 147 | adult | Andreas Hofer | 12.10.2008 |
| 148 | adult | Colleen? | 12.10.2008 |
| 149 | adult | ?? | 12.10.2008 |
| 150 | immature | ?? | 12.10.2008 |
| 151 | adult | Jackpot 3 ? | 12.10.2008 |
| 152 | immature | ? | 12.10.2008 |
| 153 | juvenile | Pinzgarus | 12.10.2008 |
| 154 | adult | ? | 12.10.2008 |
| 155 | juvenile | Pinzgarus | 12.10.2008 |
| 156 | immature | ? | 12.10.2008 |
| 173 | immature 2y | unknown 13 | 12.10.2008 |
| 174 | adult | unknown 14 | 12.10.2008 |
| 175 | immature/subadult | unknown 6 | 12.10.2008 |
| 176 | juvenile | unknown 15 | 12.10.2008 |
| 177 | adult | unknown 5 | 12.10.2008 |
| 178 | adult | BV 350 Bingo or BV 354 Interreg or BV 361 Montblanc | 12.10.2008 |
| 179 | immature | unknown 2,7,8 or 9 | 12.10.2008 |
| 180 | adult | BV 359 Pablo or BV 299 Gildo or unknown 3 | 12.10.2008 |
| 181 | adult | BV 359 Pablo or BV 299 Gildo or unknown 1 | 12.10.2008 |
| 182 | subadult 4y | unknown 16 | 12.10.2008 |
| 183 | immature 2y | BV 528 Romaris | 12.10.2008 |
| 184 | immature 2y | unknown 17 | 12.10.2008 |

| | | | |
|-----|----------------|--|------------|
| 185 | subadult 4y | unknown 12 | 12.10.2008 |
| 281 | subadult/adult | unknown | 12.10.2008 |
| 282 | immature 3y. | unknown age | 12.10.2008 |
| 284 | immature 3y. | flew near aglider | 12.10.2008 |
| 285 | dark head | | 12.10.2008 |
| 286 | adult | | 12.10.2008 |
| 287 | Adult | pair? Gschlöß | 12.10.2008 |
| 288 | Adult | pair? Gschlöß | 12.10.2008 |
| 290 | subadult/adult | | 12.10.2008 |
| 291 | Adult | attacked Pinzgarus | 12.10.2008 |
| 292 | Juvenile | Pinzgarus | 12.10.2008 |
| 293 | Juvenile | Pinzgarus was seen 11km west 5 min earlier | 12.10.2008 |
| 294 | Juvenile | probably Pinzgarus | 12.10.2008 |

The huge difference between 51 common observations in the IBM data base and the total number of 293 (!) observations considered in the last table is partly due to a differentiation between common observations and data collected in territories. However it is also due to severe deficiency of data entry (many data have not been entered into the data base at least until November 30th). It is strongly recommended to enter data regularly either as common observation (menu observations) or as short remark in the menu called "Reproduction" (in case of territorial birds).